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ELEVENTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS,

IN

MICHIGAN FOR THE YEAR 1877.

BY THE

SECRETARY OF STATE

OF THE

STATE OF MICHIGAN.

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MICHIGAN
DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
Lansing, 1884.

HON. JOSIAH W. BEGOLE, *Governor of Michigan.*

SIR,—I have the honor, in conformity with the requirements of the laws of this State, to submit herewith the Eleventh Annual Report relating to the registration and return of Births, Marriages, and Deaths, in Michigan, for the year 1877.

The Legislature of 1883 gave to the Department of State the entire supervision of the compilation and publication of the Registration Reports for the State of Michigan. For reasons which need not be stated here the publication of these Reports has been delayed for several years. A great part of the compilation and much of the editorial work of some of these Reports was already accomplished before the commencement of my term of office. This especially applies to the Report for 1877. The credit, therefore, of its construction may justly be given to my predecessor in office. So far as relates to the Reports, the completion of which has been so long delayed, their publication will now be consummated as rapidly as they can be issued from the press.

An examination of Exhibit A, on page ix., shows that 11,009 marriages, 33,395 births, and 12,919 deaths were returned for the year 1877. The same Exhibit also shows an excess of 20,476 births over deaths during that year. According to the returns, therefore, this number represents the natural increase in population for the year. This is the greatest natural increase for six years in Michigan with the exception of the year 1876.

As in preceding Reports, a large portion of the present volume is devoted to the consideration of that most important subject, the relation of mortality to the inhabitants of Michigan, including the various and most prominent causes of deaths as shown by the returns. It is but the repetition of a statement that has become axiomatic to say, that intelligent action upon the part of a state or community, in order to lessen mortality, involves a careful study of its causes, and their removal. Diseases of the lungs are, perhaps, the greatest and most widely distributed of all modern causes of mortality; yet, notwithstanding a considerable increase in population in this State, the number of deaths in Michigan in 1877, from diseases of the lungs, was less than it had been for a number of years.

The facts presented in the Registration Reports, carefully classified and arranged, are designed to facilitate the study of most serious problems connected with the social and material growth of our great commonwealth. It is to be hoped that all, directly or indirectly associated with the collection of statistics bearing upon this subject, will see the importance of the work and will aid in securing full and accurate returns. No labor in the accumulation of such information can be too carefully performed, and no law designed to regulate the methods for obtaining it can be too carefully constructed.

Respectfully submitted,

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1877.

Exhibit A shows the number of births, marriages, and deaths, and the excess of births over deaths for each of the years 1872–77, as returned, and the births and deaths as corrected for omissions in the enumeration. The excess of births over deaths as returned was greatest in 1876, and least in 1872; after correction for omissions in enumeration the excess of births over deaths was greatest in 1874, and least in 1872.

EXHIBIT A.—*Births, Marriages, and Deaths Returned as having Occurred in Michigan during the Years 1872 to 1877, inclusive, including unknown month.*

		1872.	1873.	1874.	1875.	1876.	1877.
As Returned.	Marriages.....[a]	10,752	11,873	12,211	11,703	11,610	11,009
	Births.....	27,993	34,608	31,151	31,958	34,235	33,395
	Deaths.....	13,371	14,258	12,500	11,990	12,576	12,919
	Excess of Births over Deaths....	14,622	20,350	18,651	19,968	21,659	20,476
As Corrected for Omissions.	Births.....	43,081	45,088	55,841	46,553	45,172	50,203
	Deaths.....	21,101	20,312	20,090	17,289	18,389	18,341
	Excess of Births over Deaths....	21,980	24,776	35,751	29,264	26,783	31,862

[a] Corrected, for additional returns, up to February 1, 1879.

EXHIBIT B.—*Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1872 to 1877, inclusive.*

	1872.[a]	1873.[a]	1874.[a]	1875.[b]	1876.[b]	1877.[b]
Inhabitants represented by returns of marriages to one marriage[c]	110.15	99.75	96.98	113.83	114.80	121.01
In population represented by marriages, males to one marriage	57.50	52.07	50.63	59.49	59.99	63.24
In population represented by marriages, females to one marriage	52.64	47.67	46.35	54.34	54.81	57.77
Male inhabitants at ages at which marriages occurred to one marriage	35.13	31.79	30.89	d	d	d
Female inhabitants at ages at which marriages occurred to one marriage	34.29	32.30	30.32	d	d	
Inhabitants represented by births to each child born	41.77	34.07	37.89	41.52	38.56	39.82
Inhabitants, males to each male child born	42.19	34.35	37.84	41.98	38.86	40.33
Inhabitants, females to each female child born	41.58	33.90	38.08	41.24	38.38	39.42
Inhabitants, females aged 16 to 45 to each child born	8.98	7.32	8.16	d	d	d
Children born to 100 females aged 16 to 45	11.13	13.66	12.25	d	d	d
Inhabitants represented by deaths to one death	86.61	82.46	93.77	110.25	104.74	102.28
Inhabitants, males to one death of male	84.09	80.16	91.76	107.09	101.84	101.08
Inhabitants, females to one death of female	89.93	85.34	96.59	115.14	109.21	104.51
Deaths, males to 100 females	116.55	116.10	114.83	117.58	117.27	113.03
Births, males to 100 females	107.46	107.67	109.88	107.43	108.05	106.94
Total population of State, males to 100 females	109.22	109.22	109.22	109.47	109.47	109.47
Births to one death	2.09	2.43	2.49	2.67	2.72	2.58
Births, males to one death of male	2.01	2.34	2.44	2.56	2.63	2.52
Births, females to one death of female	2.18	2.52	2.55	2.80	2.85	2.67
Children born of which the sex was unknown or not stated	83.00	68.00	49.00	82.00	56.00	59.00
Decedents of which the sex was unknown or not stated	27.00	17.00	31.00	58.00	59.00	52.00
Natural daily increase of population, as per births and deaths returned	39.95	55.76	51.10	54.71	59.34	56.10
Natural daily increase of population, when returns are corrected for omissions in enumeration	60.06	67.88	97.95	80.17	73.38	87.29

[a] In computing statements for this column, the inhabitants, June 1, 1870, were used.
[b] In computing statements for this column, the inhabitants in 1874 were used.
[c] Marriages, corrected up to February 1, 1879.
[d] Population for 1874, by ages, cannot be ascertained.

TABLE I.—*The number of Marriages, Births, and Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1877, and the Average Number and Excess during Specified Periods of Time within the Year, as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

	PERIODS OF TIME,—1877	Marriages, 1877.	Births, 1877.	Deaths, 1877.	Excess of Births over Deaths.
As Returned.	Year, 1877[a]	11,009.00	33,395.00	12,919.00	20,476.00
	Quarter	2,752.25	8,348.75	3,229.75	5,119.00
	Month	917.42	2,782.92	1,076.58	1,706.34
	Week	211.71	642 21	248.44	393.77
	Day	30.16	91.49	35.39	56.10
Births and Deaths as Corrected.[b]	Year, 1877[a]	.....	50,203.00	18,341.00	31,862.00
	Quarter	.....	12,550.75	4,585.25	7,965.50
	Month	.....	4,183.58	1,528.42	2,655.16
	Week	.....	965.44	352.71	612.73
	Day	.....	137.54	50.25	87.29

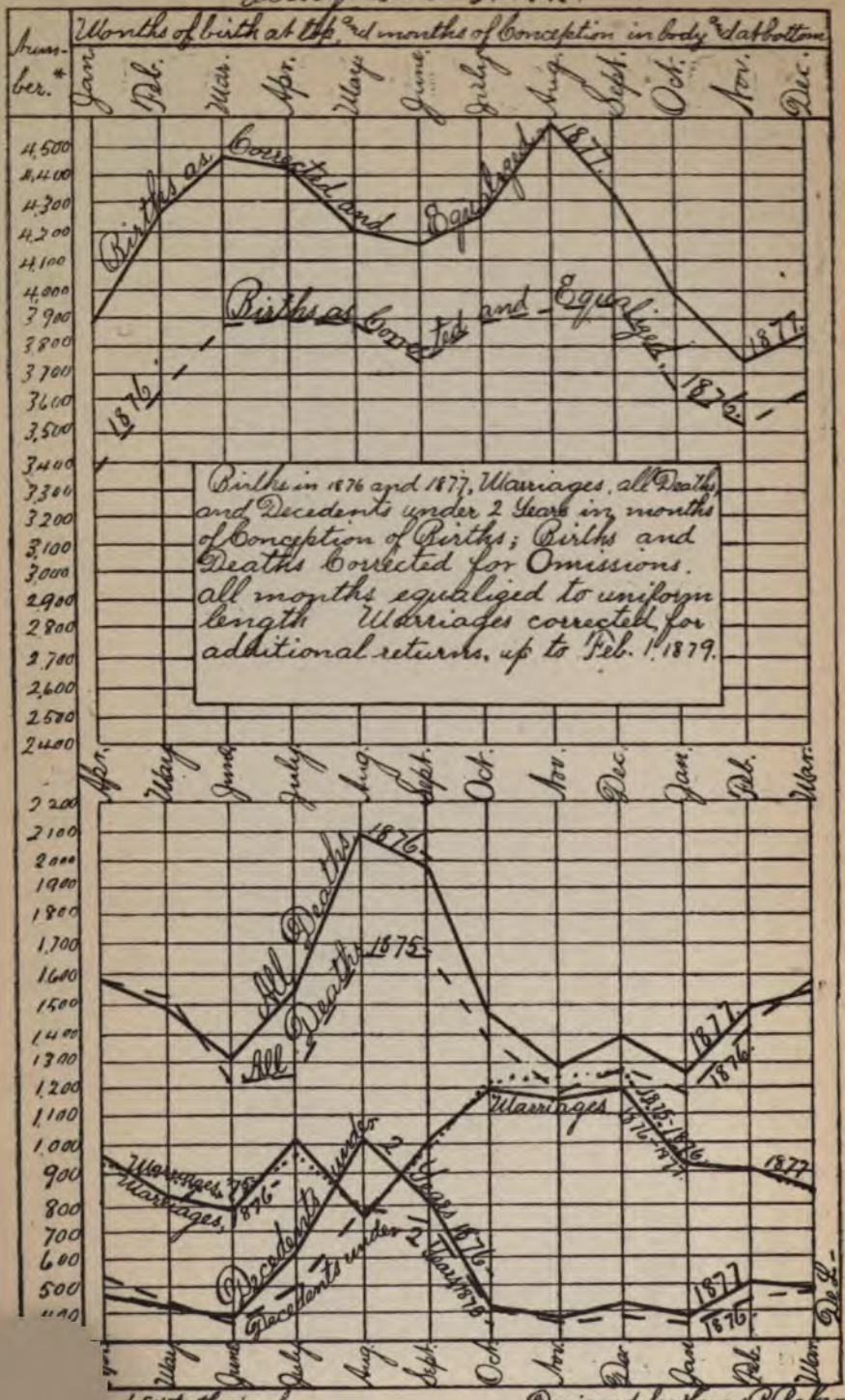
[a] Unknown month included.
[b] Corrected as if enumerated in months of occurrence. For reasons for, and methods of correction, see pages 5-9, for births, and pages 105, 109 for deaths.

Table I. shows the number of marriages, births, deaths, and excess of births over deaths, for the year 1877, and for certain periods of time within the year. In 1877 there were 20,476 more births than deaths, 22,386 more births than marriages, and 1,910 more deaths than marriages. The average natural daily increase of population—increase of births over deaths—in 1877, according to this table, was 56.10, using the births and deaths as returned as the basis of calculation; but if the births and deaths as corrected for omissions in the enumeration are used the natural daily increase of population was 87.29. Every day, on an average, 61.33 more births than marriages occurred in this State in 1877, as shown by Table I.

EXHIBIT 1.—*By Months, the Births, Deaths, and Excess of Births over Deaths in Michigan during each of the Years 1872 to 1877, inclusive, according to the Returns.*

		Total.	Months.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1872	Births	27,965	1,774	1,899	2,195	2,253	2,281	2,250	2,413	2,817	2,713	2,428	2,357	2,585
	Deaths	13,341	602	756	941	1,140	979	815	1,050	1,738	1,653	1,321	1,058	1,288
	Excess of births	14,624	1,172	1,143	1,254	1,113	1,302	1,435	1,363	1,079	1,060	1,107	1,299	1,297
1873	Births	34,538	2,112	2,249	2,847	2,711	2,794	2,599	2,915	3,342	3,436	3,165	3,017	3,351
	Deaths	14,189	859	1,104	1,248	1,174	1,121	1,040	1,176	1,535	1,471	1,258	1,067	1,136
	Excess of births	20,349	1,253	1,145	1,599	1,537	1,673	1,559	1,739	1,807	1,965	1,907	1,950	2,215
1874	Births	31,106	1,899	1,954	2,462	2,464	2,586	2,558	2,761	3,077	2,972	2,726	2,726	2,921
	Deaths	12,454	655	672	919	1,102	1,071	866	965	1,388	1,517	1,211	968	1,120
	Excess of births	18,652	1,244	1,282	1,543	1,362	1,515	1,692	1,796	1,689	1,455	1,515	1,758	1,801
1875	Births	31,898	2,089	2,121	2,415	2,710	2,722	2,530	2,725	3,103	3,081	2,819	2,727	2,856
	Deaths	11,919	736	898	1,045	1,003	1,022	808	893	1,222	1,219	1,080	928	1,065
	Excess of births	19,979	1,353	1,223	1,370	1,707	1,700	1,722	1,832	1,881	1,862	1,739	1,799	1,791
1876	Births	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205
	Deaths	12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153
	Excess of births	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
1877	Births	33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145
	Deaths	12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
	Excess of births	20,461	1,446	1,403	1,700	1,677	1,707	1,782	1,859	1,668	1,648	1,794	1,787	1,990
Monthly average of excess for 1872 to 1877, inclusive		19,275	1,344	1,291	1,539	1,525	1,633	1,679	1,754	1,623	1,613	1,662	1,754	1,858
Monthly average of excess for 1868 to 1877, inclusive		18,217	1,284	1,241	1,441	1,418	1,578	1,565	1,636	1,536	1,519	1,597	1,653	1,751

Diagram No. 1.



: 654 to the inch.

Designed by Henry B. Baker.

Exhibit 2 is made for the purpose of showing the relation between the marriages and conceptions, and between the deaths and conceptions. The first two lines of figures show the number of births in 1877 by months; the third line shows the number of marriages in the months of conception of the births in 1877 (nine calendar months previous to months of birth); and the fourth and fifth lines show the number of deaths in the months of the conception of the births in 1877. Each plus and minus sign indicates, respectively, that the number immediately under it is greater or less, as the case may be, than the monthly average for that line, as shown in the last column. In studying this subject, the following two propositions are made, viz.:

(1.) *More* than the average number of conceptions occurred in months when *more* than the average number of marriages were solemnized, and *vice versa*.

(2.) *Less* than the average number of conceptions occurred in months when *more* than the average number of deaths occurred, and *vice versa*.

To each of the above propositions there are five exceptions shown in Exhibit 2.

EXHIBIT 2.—*Births Returned as having occurred in Michigan by Months during the Year 1877, and Marriages and Deaths during the Months of Conception of the Births,—all Months Equalized to Uniform length of 30. 44 days.*

	Total.[a]	Months,—1877.												Av. Mo.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births, 1877, equalized to months of uniform length....		—	—	—	—	—	—	+	+	+	+	+	+	
	33,326	2,173	2,442	2,641	2,694	2,634	2,696	2,847	3,169	3,093	2,960	2,889	3,088	2,777
Births, 1877, corrected for omissions in enumerating, and equalized to months of uniform length.		--	+	+	+	+	—	+	+	+	—	—	—	
	50,177	3,893	4,267	4,474	4,429	4,201	4,165	4,257	4,582	4,319	3,988	3,748	3,854	4,181
		Months,—1876.									1877.			
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
Marriages,[b] equalized to months of uniform length....		—	—	—	+	—	+	+	+	+	—	—	—	
	11,579	960	831	790	1,012	764	1,007	1,192	1,155	1,196	924	903	845	965
Deaths, equalized to months of uniform length.....		—	—	—	+	+	+	+	—	+	—	—	—	
	12,685	992	953	868	1,060	1,480	1,443	1,111	1,004	1,132	753	916	973	1,057
Deaths, corrected for omissions in enumerating, and equalized to months of uniform length.		+	—	—	+	+	+	—	—	—	—	—	+	
	18,443	1,589	1,481	1,309	1,549	2,095	1,978	1,470	1,282	1,394	1,258	1,494	1,544	1,537

[a] Excluding unknown month.
[b] Corrected for additional returns up to Feb. 1, 1879.

EXHIBIT D.—*Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, the Evidence Exhibited Covering the Years 1872 to 1877, inclusive.*

BIRTHS, DEATHS, AND EXCESS OF BIRTHS.	1872.			1873.			1874.			1875.			1876.			1877.		
	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.	Total.	Both Parents of Children Native, Deaths of Native-born.	Both Parents of Children Foreign, Deaths of Foreign-born.
Excess by parentage [illegible]	[a] 27,000	18,087	9,341	[a] 24,008	16,002	11,046	[a] 31,151	13,341	10,517	[a] 31,058	14,330	11,120	[a] 34,295	15,551	11,001	[a] 33,995	15,270	11,507
Excess by parentage [illegible]	[a] 22,271	[a] 20,012	[a] 2,156	[b] 14,346	[a] 11,990	[a] 2,354	[b] 12,560	[a] 9,037	[a] 3,128	[b] 11,000	[a] 9,573	[a] 2,196	[b] 12,576	[a] 10,147	[a] 2,078	[b] 12,919	[a] 10,395	[a] 2,951
Excess of foreign [illegible]	14,000	7,000	7,070	20,300	4,002	9,012	18,591	3,404	8,389	19,958	4,053	9,014	21,059	5,404	9,023	20,476	4,965	9,396

[a] Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
[b] Includes deaths of persons of unknown nativity.
[illegible] deaths of persons born in the United States, whether born of native or of foreign-born parents.
[illegible] persons who were born in foreign countries.

Exhibit D contains evidence on the subject of the natural increase of the population of Michigan in each of the years 1872–1877, by nativity, as shown by the excess of births over deaths. In each year the excess of the births of foreign-born parentage over foreign-born decedents was very much greater than of the births of native-born parentage over native-born decedents; that is, the natural increase of the population was very much greater among the foreign-born than among the native-born,—taking the average for the six years, the natural increase was about twice as great among the foreign-born as among the native-born.

EXHIBIT E.—*Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1877.*

STATE AND COUNTIES.	1877.		COUNTIES.	1877.	
	Births.	Deaths.		Births.	Deaths.
STATE	320	72	Kent	16	3
Allegan	2	1	Lake	1	.....
Barry	7	.....	Lapeer	4	1
Bay	43	4	Leelanaw	2	.....
Berrien	4	3	Lenawee	14	4
Branch	9	1	Livingston	1	1
Calhoun	10	2	Macomb	2	.....
Cass	3	2	Manistee	2	.....
Charlevoix	2	.....	Mason	6	.....
Chippewa	1	.....	Mecosta	3	.....
Clare	1	.....	Midland	4	.....
Clinton	5	1	Monroe	1	2
Delta	1	.....	Montcalm	2	.....
Eaton	11	.....	Newaygo	1	.....
Emmet	1	.....	Oakland	2	.....
Genesee	4	1	Oceana	2	.....
Grand Traverse	2	1	Osceola	7	.....
Gratiot	6	3	Ottawa	2	2
Hillsdale	9	5	Saginaw	9	3
Houghton	5	.....	Sanilac	13	.....
Huron	8	.....	Shiawassee	10	4
Ingham	3	.....	St. Clair	9	4
Ionia	6	.....	St. Joseph	5	1
Isabella	3	1	Tuscola	5	1
Jackson	11	.....	Van Buren	6	3
Kalamazoo	2	3	Washtenaw	2	2
Kalkaska	1	.....	Wayne	29	13

TABLE II.—*Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1877.*

STATE AND COUNTIES.	Population, 1874.			Marriages, 1877.	Births, 1877.				Deaths, 1877.				Excess of Births over Deaths.			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
STATE	1,334,031	697,184	636,847	11,009	33,326	17,227	16,109	59	12,919	6,827	6,040	52	20,476	10,400	10,069	7
Alcona	1,214	688	526	9	44	29	15	.....	11	7	4	.....	33	22	11	.....
Allegan	32,381	16,976	15,405	266	773	404	369	.....	249	135	112	2	524	269	257	2
Alpena	4,807	2,808	1,999	42	160	86	74	.....	35	22	13	.....	125	64	61	.....
Antrim[b]	3,002	1,654	1,348	23	126	68	58	.....	52	33	19	.....	74	35	39	.....
Baraga[c]	c	c	c	7	57	27	30	.....	20	11	9	.....	37	16	21	.....
Barry	22,051	11,588	10,463	210	547	294	252	1	216	112	103	1	331	182	149	0
Bay	24,832	13,657	11,175	150	893	466	427	.....	287	173	114	.....	606	293	313	.....
Benzie	2,663	1,422	1,241	22	82	44	38	.....	32	19	13	.....	50	25	25	.....
Berrien[d]	35,029	17,942	17,087	356	609	284	325	.....	258	133	125	.....	351	151	200	.....
Branch	25,726	13,041	12,685	273	504	259	244	1	281	128	153	.....	223	131	91	1
Calhoun	35,655	18,156	17,499	289	581	309	271	1	330	178	151	1	251	131	120	0
Cass	20,525	10,592	9,933	175	405	199	206	.....	166	91	75	.....	239	108	131	.....
Charlevoix	2,360	1,280	1,080	31	114	56	57	1	32	16	15	1	82	40	42	0
Cheboygan[e]	3,070	1,706	1,364	45	94	49	45	.....	28	19	9	.....	66	30	36	.....
Chippewa[f]	2,170	1,222	948	23	33	14	19	.....	11	8	3	.....	22	6	16	.....
Clare[g]	1,354	745	609	13	43	21	22	.....	18	11	7	.....	25	10	15	.....
Clinton	23,661	12,162	11,499	173	508	260	246	2	182	96	86	.....	326	164	160	2
Delta	4,741	2,882	1,859	44	148	61	87	.....	50	22	28	.....	98	39	59	.....
Eaton	26,907	13,875	13,032	287	524	272	252	.....	215	108	107	.....	309	164	145	.....

.....[h]	1,272	669	603	26	105	56	48	1	32	16	16	.....	73	40	32	1
.....	34,568	17,536	17,032	350	640	311	329	.....	268	146	120	2	372	165	209	-
Gladwin .....[i]	265	145	120	4	3	1	2	.....	8	7	1	.....	-5	-6	1	.....
Grand Traverse....	5,349	2,801	2,548	41	171	96	75	.....	67	33	34	.....	104	63	41	.....
Gratiot	13,886	7,304	6,582	126	419	211	207	1	145	75	69	1	274	136	138	0
Hillsdale.....	31,566	15,971	15,595	329	473	220	252	1	287	143	144	.....	186	77	108	1
Houghton .....[c]	19,030	11,013	8,017	183	895	447	441	7	253	127	116	10	642	320	325	-3
Huron	11,964	6,614	5,350	109	485	246	239	.....	87	47	40	.....	398	199	199	.....
Ingham	29,193	15,204	13,989	287	526	279	244	3	181	87	91	3	345	192	153	0
Ionia	28,376	14,788	13,588	254	635	333	299	3	211	124	85	2	424	209	214	1
Iosco.....	4,575	2,706	1,869	39	127	68	59	.....	28	15	13	.....	99	53	46	.....
Isabella.....[j]	6,059	3,273	2,786	49	266	145	120	1	72	36	36	.....	194	109	84	1
Isle Royal.....[k]	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	37,988	19,853	18,135	395	771	388	383	.....	366	201	165	.....	405	187	218	.....
Kalamazoo	32,284	16,583	15,701	249	611	319	292	.....	317	161	156	.....	294	158	136	.....
Kalkaska	1,259	692	567	16	47	21	26	.....	18	10	8	.....	29	11	18	.....
Kent	62,671	32,576	30,095	517	1,689	859	824	6	633	326	303	4	1,056	533	521	2
Keweenaw	5,411	3,233	2,178	25	297	158	138	1	66	43	23	.....	231	115	115	1
Lake	1,813	1,015	798	13	69	40	29	.....	20	8	12	.....	49	32	17	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of deaths from the township of Torch Lake.
[c] The population of Baraga county is compiled with Houghton county, and cannot be ascertained.
[d] No returns of deaths from the township of Lincoln.
[e] No returns of deaths from the township of Benton.
[f] No returns of births or deaths from the townships of Detour and Sugar Island.
[g] No returns of deaths from the townships of Frost and Hayes, and no returns of births or deaths from the townships of Sheridan and Winterfield.
[h] No returns of births from the townships of Center, Friendship, and Pleasant View, and no returns of deaths from the townships of Friendship and Maple River.
[i] No returns of births or deaths from the township of Grout.
[j] No returns of deaths from the township of Deerfield.
[k] No returns of marriages, births, or deaths.

TABLE II.—CONTINUED.

COUNTIES.	Population, 1874.			Marriages, 1877.	Births, 1877.				Deaths, 1877.				Excess of Births over Deaths.			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
[illegible]	25,140	12,095	13,045	191	612	310	301	1	229	116	112	1	383	194	189	0
[illegible]	5,091	2,591	2,500	45	163	90	73	.....	48	24	24	.....	115	66	49	.....
[illegible]	46,064	23,206	22,858	401	813	443	370	.....	590	268	181	1	423	235	189	1
[illegible]	20,320	10,560	9,760	156	400	225	175	.....	182	105	77	.....	218	120	98	.....
[illegible][b]	1,496	705	791	17	55	33	21	1	16	7	8	1	39	26	13	0
[illegible]	29,566	14,307	15,259	238	701	373	328	.....	299	146	153	.....	402	227	205	.....
[illegible]	8,471	4,792	3,679	57	378	194	186	.....	101	56	45	.....	277	138	151	.....
[illegible][c]	697	364	333	6	34	21	13	.....	10	4	6	.....	24	17	7	.....
[illegible]	21,946	12,059	9,887	160	604	373	231	.....	232	139	93	.....	400	234	233	.....
[illegible]	5,361	2,571	2,790	62	148	82	65	1	54	16	17	1	114	66	48	0
[illegible]	9,134	4,874	4,260	88	271	150	121	.....	60	30	30	.....	211	120	91	.....
[illegible][e]	3,899	2,219	1,677	92	87	56	31	.....	14	10	4	.....	59	26	27	.....
[illegible]	4,509	2,556	2,173	97	102	52	50	.....	58	32	26	.....	44	20	24	.....
Mackinaw	606	395	211	7	34	13	21	.....	9	7	2	.....	25	6	19	.....
Macomb	30,111	15,502	14,609	228	692	349	343	.....	265	133	132	.....	427	216	211	.....
Manistee[d]	20,845	11,341	9,504	172	458	225	232	1	144	63	81	.....	314	162	151	1
Marquette[f]	19,275	10,761	8,514	158	369	201	167	1	115	62	52	1	274	139	135	0
Newaygo[g]	8,758	4,879	3,879	87	246	133	113	.....	64	27	37	.....	182	106	76	.....
Oakland	36,001	19,446	16,596	314	640	307	327	6	394	161	192	1	246	146	135	5
Oceana	8,360	4,581	3,779	75	233	115	117	1	92	45	46	1	141	70	71	0
Ogemaw[h]	207	153	54	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Ontonagon	2,406	1,276	1,130	12	74	40	34	.....	18	7	11	.....	56	33	23	.....
Osceola	6,216	3,491	2,725	77	273	141	132	.....	64	44	20	.....	209	97	112	.....
Otsego [i]	238	162	76	1	11	4	7	.....	6	1	5	.....	5	3	2	.....
Ottawa	29,929	15,789	14,140	241	947	509	435	3	274	162	111	1	673	347	324	2
Presque Isle [j]	1,615	851	764	.....	73	33	40	.....	19	10	9	.....	54	23	31	.....
Roscommon [k]	276	187	89	2	5	3	2	.....	4	.....	4	.....	1	3	-2	.....
Saginaw	48,409	25,968	22,441	354	1,378	653	722	3	535	278	253	4	843	375	469	-1
Sanilac	16,292	8,652	7,640	135	500	255	245	.....	186	78	108	.....	314	177	137	.....
Schoolcraft [l]	1,290	824	466	10	13	8	5	.....	5	3	2	.....	8	5	3	.....
Shiawassee	21,773	11,265	10,508	183	484	242	242	.....	158	84	73	1	326	158	169	-1
St. Clair [m]	40,688	21,181	19,507	319	1,050	515	532	3	324	164	157	3	726	351	375	0
St. Joseph	25,906	13,267	12,639	313	438	224	214	.....	199	102	97	.....	239	122	117	.....
Tuscola	16,998	8,950	8,048	160	533	278	255	.....	164	76	88	.....	369	202	167	.....
Van Buren [g]	29,156	15,062	14,094	237	514	274	240	.....	218	102	116	.....	296	172	124	.....
Washtenaw	38,723	19,553	19,170	291	647	326	321	.....	362	186	176	.....	285	140	145	.....
Wayne	144,903	72,306	72,597	628	4,736	2,563	2,165	8	2,179	1,197	964	9	2,566	1,366	1,201	-1
Wexford [n]	3,011	1,752	1,259	43	111	46	65	.....	25	15	10	.....	86	31	55	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of births or deaths from the township of Holmes.
[c] No returns of deaths from the township of South Manitou, and no returns of births or deaths from the township of Chandler.
[d] No returns of deaths from the townships of Breen and Stephenson, and no returns of births or deaths from the townships of Breitung, Cedarville, and Spaulding.
[e] No returns of deaths from the townships of Belvidere, Reynolds, and Richland.
[f] No returns of deaths from the township of Montague.
[g] No returns of deaths from the townships of Denver and Norwich.
[h] No returns of marriages, births, or deaths.
[i] No returns of births or deaths from the townships of Charlton, Elmira, and Livingston.
[j] No returns of births from the township of Presque Isle.
[k] No returns of births or deaths from the townships of Denton and Higgins.
[l] No returns of births or deaths from the townships of Munising and Onota.
[m] No returns of deaths from the townships of Burchville, Clay, East China, and Lynn.
[n] No returns of births or deaths from the township of Harring, and the 1st, 2d, and 3d wards of the city of Cadillac.

TABLE II.—*Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1877.*

STATE AND COUNTIES.	Population, 1874.			Marriages, 1877.	Births, 1877.				Deaths, 1877.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
STATE	1,334,031	697,184	636,847	11,009	33,395	17,227	16,109	59	12,919	6,827	6,040	52	20,476	10,400	10,069	7
Alcona	1,214	688	526	9	44	29	15	.....	11	7	4	.....	33	22	11	.....
Allegan	32,381	16,976	15,405	266	773	404	369	.....	249	135	112	2	524	269	257	-2
Alpena	4,807	2,808	1,999	42	160	86	74	.....	35	22	13	.....	125	64	61	.....
Antrim[b]	3,002	1,654	1,348	23	126	68	58	.....	52	33	19	.....	74	35	39	.....
Baraga[c]	c	c	c	7	57	27	30	.....	20	11	9	.....	37	16	21	.....
Barry	22,051	11,588	10,463	210	547	294	252	1	216	112	103	1	331	182	149	0
Bay	24,832	13,657	11,175	150	893	466	427	.....	287	173	114	.....	606	293	313	.....
Benzie	2,663	1,422	1,241	22	82	44	38	.....	32	19	13	.....	50	25	25	.....
Berrien[d]	35,029	17,942	17,087	356	609	284	325	.....	258	133	125	.....	351	151	200	.....
Branch	25,726	13,041	12,685	273	504	259	244	1	281	128	153	.....	223	131	91	1
Calhoun	35,655	18,156	17,499	289	581	309	271	1	330	178	151	1	251	131	120	0
Cass	20,525	10,592	9,933	175	405	199	206	.....	166	91	75	.....	239	108	131	.....
Charlevoix	2,360	1,280	1,080	31	114	56	57	1	32	16	15	1	82	40	42	0
Cheboygan[e]	3,070	1,706	1,364	45	94	49	45	.....	28	19	9	.....	66	30	36	.....
Chippewa[f]	2,170	1,222	948	23	33	14	19	.....	11	8	3	.....	22	6	16	.....
Clare[g]	1,354	745	609	13	43	21	22	.....	18	11	7	.....	25	10	15	.....
Clinton	23,661	12,162	11,499	173	508	260	246	2	182	96	86	.....	326	164	160	2
Delta	4,741	2,882	1,859	44	148	61	87	.....	50	22	28	.....	98	39	59	.....
Eaton	26,907	13,875	13,032	287	524	272	252	.....	215	108	107	.....	309	164	145	.....

Emmet [b]	1,272	669	603	26	105	56	48	1	32	16	16	.....	73	40	32	1
Genesee	34,568	17,536	17,032	350	640	311	329	.....	268	146	120	2	372	165	209	-
Gladwin [d]	265	145	120	4	3	1	2	.....	8	7	1	.....	-5	-6	1	.....
Grand Traverse	5,349	2,801	2,548	41	171	96	75	.....	67	33	34	.....	104	63	41	.....
Gratiot	13,886	7,304	6,582	126	419	211	207	1	145	75	69	1	274	136	138	0
Hillsdale	31,566	15,971	15,595	329	473	220	252	1	287	143	144	.....	186	77	108	1
Houghton [c]	19,030	11,013	8,017	183	895	447	441	7	253	127	116	10	642	320	325	-3
Huron	11,964	6,614	5,350	109	485	246	239	.....	87	47	40	.....	398	199	199	.....
Ingham	29,193	15,204	13,989	287	526	279	244	3	181	87	91	3	345	192	153	0
Ionia	28,376	14,788	13,588	254	635	333	299	3	211	124	85	2	424	209	214	1
Iosco	4,575	2,706	1,869	39	127	68	59	.....	28	15	13	.....	99	53	46	.....
Isabella [j]	6,059	3,273	2,786	49	266	145	120	1	72	36	36	.....	194	109	84	1
Isle Royal [k]	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	37,988	19,853	18,135	395	771	388	383	.....	366	201	165	.....	405	187	218	.....
Kalamazoo	32,284	16,583	15,701	249	611	319	292	.....	317	161	156	.....	294	158	136	.....
Kalkaska	1,259	692	567	16	47	21	26	.....	18	10	8	.....	29	11	18	.....
Kent	62,671	32,576	30,095	517	1,689	859	824	6	633	326	303	4	1,056	533	521	2
Keweenaw	5,411	3,233	2,178	25	297	158	138	1	66	43	23	.....	231	115	115	1
Lake	1,813	1,015	798	13	69	40	29	.....	20	8	12	.....	49	32	17	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of deaths from the township of Torch Lake.
[c] The population of Baraga county is compiled with Houghton county, and cannot be ascertained.
[d] No returns of deaths from the township of Lincoln.
[e] No returns of deaths from the township of Benton.
[f] No returns of births or deaths from the townships of Detour and Sugar Island.
[g] No returns of deaths from the townships of Frost and Hayes, and no returns of births or deaths from the townships of Sheridan and Winterfield.
[h] No returns of births from the townships of Center, Friendship, and Pleasant View, and no returns of deaths from the townships of Friendship and Maple River.
[i] No returns of births or deaths from the township of Grout.
[j] No returns of deaths from the township of Deerfield.
[k] No returns of marriages, births, or deaths.

TABLE II.—CONTINUED.

COUNTIES.	Population, 1874.			Marriages, 1877.	Births, 1877.				Deaths, 1877.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
Lapeer	25,140	13,095	12,045	191	612	310	301	1	229	116	112	1	383	194	189	0
Leelanaw	5,031	2,692	2,339	46	163	90	73	.....	48	24	24	.....	115	66	49	.....
Lenawee	46,084	23,256	22,828	401	813	443	370	.....	390	208	181	1	423	235	189	-1
Livingston	20,329	10,569	9,760	156	400	225	175	.....	182	105	77	.....	218	120	98	.....
Mackinac[b]	1,496	765	731	17	55	33	21	1	16	7	8	1	39	26	13	0
Macomb	28,305	14,367	13,938	228	701	373	328	.....	269	146	123	.....	432	227	205	.....
Manistee	8,471	4,792	3,679	57	378	182	196	.....	101	56	45	.....	277	126	151	.....
Manitou[c]	657	364	293	6	34	21	13	.....	10	4	6	.....	24	17	7	.....
Marquette	21,946	12,893	9,053	109	698	373	325	.....	232	139	93	.....	466	234	232	.....
Mason	5,361	2,971	2,390	62	148	82	65	1	34	16	17	1	114	66	48	0
Mecosta	9,132	4,874	4,258	88	271	150	121	.....	60	30	30	.....	211	120	91	.....
Menominee[d]	3,490	2,213	1,277	32	67	36	31	.....	14	10	4	.....	53	26	27	.....
Midland	4,765	2,593	2,172	37	102	52	50	.....	58	32	26	.....	44	20	24	.....
Missaukee	606	395	211	7	34	13	21	.....	9	7	2	.....	25	6	19	.....
Monroe	30,111	15,302	14,809	328	692	349	343	.....	265	133	132	.....	427	216	211	.....
Montcalm[e]	20,815	11,311	9,504	172	458	225	232	1	144	63	81	.....	314	162	151	1
Muskegon[f]	19,375	10,761	8,614	138	389	201	187	1	115	62	52	1	274	139	135	0
Newaygo[g]	8,758	4,879	3,879	87	246	133	113	.....	64	27	37	.....	182	106	76	.....
Oakland	38,082	19,446	18,636	314	640	307	327	6	324	161	162	1	316	146	165	5
Oceana	8,360	4,581	3,779	75	233	115	117	1	92	45	46	1	141	70	71	0
Ogemaw[h]	207	153	54	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Ontonagon	2,406	1,276	1,130	12	74	40	34	.....	18	7	11	.....	56	33	23	.....
Osceola	6,216	3,491	2,725	77	273	141	132	.....	64	44	20	.....	209	97	112	.....
Otsego [i]	238	162	76	1	11	4	7	.....	6	1	5	.....	5	3	2	.....
Ottawa	29,929	15,789	14,140	241	947	509	435	3	274	162	111	1	673	347	324	2
Presque Isle [j]	1,615	851	764	.....	73	33	40	.....	19	10	9	.....	54	23	31	.....
Roscommon [k]	276	187	89	2	5	3	2	.....	4	.....	4	.....	1	3	-2	.....
Saginaw	48,409	25,968	22,441	354	1,378	653	722	3	535	278	253	4	843	375	469	-1
Sanilac	16,292	8,652	7,640	135	500	255	245	.....	186	78	108	.....	314	177	137	.....
Schoolcraft [l]	1,290	824	466	10	13	8	5	.....	5	3	2	.....	8	5	3	.....
Shiawassee	21,773	11,265	10,508	183	484	242	242	.....	158	84	73	1	326	158	169	-1
St. Clair [m]	40,688	21,181	19,507	319	1,050	515	532	3	324	164	157	3	726	351	375	0
St. Joseph	25,906	13,267	12,639	313	438	224	214	.....	199	102	97	.....	239	122	117	.....
Tuscola	16,998	8,950	8,048	160	533	278	255	.....	164	76	88	.....	369	202	167	.....
Van Buren	29,156	15,062	14,094	237	514	274	240	.....	218	102	116	.....	296	172	124	.....
Washtenaw	38,723	19,553	19,170	291	647	326	321	.....	362	186	176	.....	285	140	145	.....
Wayne	144,903	72,306	72,597	628	4,736	2,563	2,165	8	2,179	1,197	964	9	2,566	1,366	1,201	-1
Wexford [n]	3,011	1,752	1,259	43	111	46	65	.....	25	15	10	.....	86	31	55	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of births or deaths from the township of Holmes.
[c] No returns of deaths from the township of South Manitou, and no returns of births or deaths from the township of Chandler.
[d] No returns of deaths from the townships of Breen and Stephenson, and no returns of births or deaths from the townships of Breitung, Cedarville, and Spauiding.
[e] No returns of deaths from the townships of Belvidere, Reynolds, and Richland.
[f] No returns of deaths from the township of Montague.
[g] No returns of deaths from the townships of Denver and Norwich.
[h] No returns of marriages, births, or deaths.
[i] No returns of births or deaths from the townships of Charlton, Elmira, and Livingston.
[j] No returns of births from the township of Presque Isle.
[k] No returns of births or deaths from the townships of Denton and Higgins.
[l] No returns of births or deaths from the townships of Munising and Onota.
[m] No returns of deaths from the townships of Burchville, Clay, East China, and Lynn.
[n] No returns of births or deaths from the township of Harring, and the 1st, 2d, and 3d wards of the city of Cadillac.

BIRTHS, 1877.

The compilation of births for 1877, made in the State Department, shows that 33,395 births were returned as having occurred in Michigan during the calendar year 1877. This is 840 less than the number returned for 1876. If the correction for omissions in the enumeration is made, as shown in Exhibit A, page 5, the number of births which probably occurred in this State in 1877 will appear to be 50,203, including those in unknown month.

The following tabular exhibit shows what per cent. of the actual births were probably returned, and the per cent. which has been added as a correction for the omissions which occurred on account of the time elapsing between the occurrence and the enumeration of the births.

YEARS.	Per Cent. of Births Returned.	Per Cent. of Births Added as Correction for Omissions.
1871	70.00	42.86
1872	64.95	43.95
1873	76.72	30.34
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
Average for 7 years	68.32	46.39

The average number of births for certain specified periods of time, as returned and as corrected, including births in unknown month, is as follows:

PERIODS OF TIME.	Births as Returned.	Births as Corrected.
Per quarter	8,348.75	12,550.75
Per month	2,782.92	4,183.58
Per week	642.21	965.44
Per day	91.49	137.54

Table I. shows the number and per cent. of births by quarters of the year, for each of the years 1872–77.

TABLE I.—*Births by Quarters of the year, Exhibiting the Number and Per Cent. of Total for the Years 1872 to 1877, inclusive, as Returned, and as Corrected for Omissions in the Enumeration.*

	TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1872.		1873.		1874.		1875.		1876.		1877.	
		Number.	Per. Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
As Returned.	Totals	27,993	100.00	34,608	100.00	31,151	100.00	31,958	100.00	34,235	100.00	33,395	100.00
	March	5,868	20.96	7,208	20.83	6,315	20.27	6,625	20.73	7,379	21.55	7,148	21.40
	June	6,784	24.23	8,104	23.42	7,608	24.42	7,962	24.91	8,339	24.36	7,995	23.94
	Sept	7,943	28.37	9,693	28.01	8,810	28.28	8,909	27.88	9,248	27.01	9,174	27.47
	Dec	7,370	26.33	9,533	27.54	8,373	26.88	8,402	26.29	9,165	26.77	9,007	26.97
	Unknown	28	.10	70	.20	45	.14	60	.19	104	.30	71	.21
	Average.[a]	6,998	25.00	8,652	25.00	7,788	25.00	7,990	25.00	8,559	25.00	8,349	25.00
As Corrected for Omissions.	Totals	43,081	100.00	45,068	100.00	55,841	100.00	46,553	100.00	45,172	100.00	50,203	100.00
	March	10,517	24.41	10,314	22.88	13,707	24.55	11,074	23.79	10,840	24.00	12,446	24.79
	June	11,105	25.78	10,920	24 22	14,768	26.45	12,261	26.34	11,480	25.41	12,748	25.39
	Sept	11,722	27.21	12,201	27.06	15,019	26.90	12,494	26.84	11,858	26.25	13,258	26.41
	Dec	9,709	22.54	11,583	25.69	12,302	22.03	10,664	22.91	10,890	24.11	11,680	23.27
	Unknown	28	.06	70	.16	45	.08	60	.13	104	.23	71	.14
	Average.[a]	10,770	25.00	11,272	25.00	13,960	25.00	11,638	25.00	11,293	25.00	12,551	25.00

[a] The number in unknown quarter of year included.

Table II. shows the number of births in each month for each of the years 1872–77, the months being arranged in order, those first which have the greatest number of births. August is first in order, and January last.

TABLE II.—*Births during the Years 1872 to 1877, inclusive, according to the Returns, exhibiting the Number and Per Cent. of Total, by Months, arranged in Order by Number, Months having the greatest Number first.*

Order.	1872.			1873.			1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total..	27,993	100.00	Total..	34,608	100.00	Total..	31,151	100.00	Total..	31,958	100.00	Total..	34,235	100.00	Total..	33,395	100.00
1	Aug. ..	2,817	10.06	Sept....	3,436	9.93	Aug. ..	3,077	9.88	Aug....	3,103	9.71	Dec. ...	3,205	9.36	Aug. ..	3,227	9.66
2	Sept. ..	2,713	9.69	Dec. ...	3,351	9.68	Sept. ..	2,972	9.54	Sept. ..	3,081	9.64	Aug. ..	3,124	9.13	Dec....	3,145	9.42
3	Dec....	2,585	9.23	Aug. ..	3,342	9.66	Dec....	2,921	9.38	Dec....	2,856	8.94	Sept....	3,110	9.08	Sept. ..	3,048	9.13
4	Oct. ...	2,428	8.67	Oct.....	3,165	9.15	July...	2,761	8.86	Oct. ...	2,819	8.82	Oct.....	3,039	8.88	Oct. ...	3,015	9.03
5	July...	2,413	8.62	Nov. ...	3,017	8.72	Oct. ...	2,726	8.75	Nov. ...	2,727	8.53	July...	3,014	8.80	July...	2,899	8.68
6	Nov. ...	2,357	8.42	July...	2,915	8.42	Nov. ...	2,726	8.75	July...	2,725	8.53	Nov. ...	2,921	8.53	Nov....	2,847	8.53
7	May ...	2,281	8.15	Mar....	2,847	8.23	May ...	2,586	8.30	May ...	2,722	8.52	May ...	2,870	8.38	Mar....	2,690	8.06
8	April..	2,253	8.06	May ...	2,794	8.07	June...	2,558	8.21	April..	2,710	8.48	Mar....	2,744	8.01	May. ..	2,683	8.03
9	June ..	2,250	8.04	April..	2,711	7.83	April..	2,464	7.91	June ..	2,530	7.91	June ..	2,739	8.00	June...	2,657	7.96
10	Mar....	2,195	7.84	June..	2,599	7.51	Mar....	2,462	7.90	Mar....	2,415	7.56	April..	2,730	7.97	April..	2,655	7.95
11	Feb....	1,899	6.78	Feb....	2,249	6.50	Feb....	1,954	6.27	Feb. ...	2,121	6.64	Feb....	2,352	6.87	Feb....	2,246	6.73
12	Jan. ...	1,774	6.34	Jan. ...	2,111	6.10	Jan. ...	1,899	6.10	Jan.....	2,089	6.53	Jan. ...	2,283	6.67	Jan. ...	2,212	6.62
	Unk. ..	28	.10	Unk. ..	70	.20	Unk. ..	45	.14	Unk. ..	60	.19	Unk. ..	104	.30	Unk. ..	71	.21
	Av. ...[a]	2,333	8.33	Av.....	2,884	8.33	Av.....	2,596	8.33	Av.....	2,663	8.33	Av.....	2,853	8.33	Av.....	2,783	8.33

[a] Including unknown month.

EXHIBIT 2.—*Births during the Years 1874, 1875, 1876, and 1877, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent. of Total, by Months arranged in order by Number, Months having the greatest number first.*

Order.	1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	55,841	100.00	Total	46,553	100.00	Total	45,172	100.00	Total	50,203	100.00
1	Aug.	5,251	9.40	Aug.	4,357	9.36	Aug.	4,007	8.87	Aug.	4,666	9.29
2	March	5,168	9.25	Apr.	4,292	9.22	July	3,960	8.77	Mar.	4,553	9.08
3	May	5,022	8.99	May	4,189	9.00	May	3,951	8.75	April	4,365	8.69
4	April	4,979	8.92	Sept.	4,188	9.00	Mar.	3,950	8.74	July	4,335	8.63
5	July	4,929	8.83	July	3,949	8.48	Sept.	3,891	8.61	May	4,278	8.52
6	Sept.	4,839	8.67	Mar.	3,934	8.45	April	3,844	8.51	Sept.	4,257	8.48
7	June	4,767	8.54	June	3,780	8.12	Dec.	3,708	8.21	June	4,105	8.18
8	Jan.	4,284	7.67	Oct.	3,705	7.96	Oct.	3,707	8.21	Oct.	4,061	8.09
9	Feb.	4,255	7.62	Jan.	3,590	7.71	June	3,685	8.16	Jan.	3,965	7.90
10	Oct.	4,224	7.56	Feb.	3,550	7.63	Nov.	3,475	7.69	Feb.	3,925	7.82
11	Dec.	4,068	7.28	Dec.	3,497	7.51	Feb.	3,460	7.66	Dec.	3,925	7.82
12	Nov.	4,010	7.18	Nov.	3,462	7.44	Jan.	3,430	7.59	Nov.	3,694	7.36
	Unk.	45	.08	Unk.	60	.13	Unk.	104	.23	Unk.	71	.14
	Aver'ge [a]	4,653	8.33	Aver'ge [a]	3,879	8.33	Aver'ge [a]	3,764	8.33	Aver'ge [a]	4,184	8.33

[a] Including births in unknown month.

EXHIBIT A.—*Births in Michigan during the Year 1877, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year Covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached.* (*Still-births and Children of unknown Sex included.*)

	Total.[a]	Months, 1877.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births as returned by Registration Officers	[a] 33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145
Per cent. of births to be added for correction for time elapsing before enumeration	.....	79.25	74.30	69.35	64.40	59.45	54.50	49.55	44.60	39.65	34.70	29.75	24.80
Number of births to be added for above correction	16,808	1,753	1,679	1,866	1,710	1,595	1,448	1,436	1,439	1,209	1,046	847	780
Births, if enumerated in months of occurrence	50,132	3,965	3,925	4,556	4,365	4,278	4,105	4,335	4,666	4,257	4,061	3,694	3,925
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	1,150	167	152	160	138	120	101	91	78	60	43	26	14
Births, as corrected, equalized to population at close of year	51,282	4,132	4,077	4,716	4,503	4,398	4,206	4,426	4,744	4,317	4,104	3,720	3,939
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+51	—75	+355	—85	+66	—79	+62	—80	—86	+63	—74	+55	—71
Births, corrected and equalized, equalized to months of uniform length	51,333	4,057	4,432	4,631	4,569	4,319	4,268	4,346	4,658	4,380	4,030	3,775	3,868

[a] Excluding 71 in unknown month.

EXHIBIT B.—*Births of Males in Michigan during the Year 1877, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.[a]	Months, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males as returned by Registration officers	[a] 17,193	1,187	1,192	1,372	1,421	1,314	1,331	1,514	1,664	1,530	1,591	1,446	1,631
Per cent. of births to be added for correction for time elapsing before enumeration	.....	80.52	75.49	70.46	65.43	60.40	55.37	50.34	45.31	40.28	35.25	30.22	25.19
Number of births to be added for above correction	8,825	956	900	967	930	794	737	762	754	616	561	437	411
Births of males, if enumerated in months of occurrence	26,018	2,143	2,092	2,339	2,351	2,108	2,068	2,276	2,418	2,146	2,152	1,883	2,042
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	601	90	81	82	74	59	51	48	43	30	23	13	7
Births of males, as corrected, equalized to population at close of year	26,619	2,233	2,173	2,421	2,425	2,167	2,119	2,324	2,461	2,176	2,175	1,896	2,049
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+31	—40	+189	—44	+36	—39	+31	—42	—44	+32	—39	+28	—37
Births of males, corrected and equalized, equalized to months of uniform length	26,650	2,193	2,362	2,377	2,461	2,128	2,150	2,232	2,417	2,208	2,136	1,924	2,012

[a] Excluding 34 births in unknown month.

EXHIBIT C.—*Births of Females in Michigan during the Year 1877, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns; and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.[a]	Months, 1877.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Females as returned by Registration Officers	[a] 16,077	1,021	1,053	1,308	1,229	1,365	1,323	1,381	1,560	1,514	1,423	1,393	1,507
Per cent. of Births to be added for correction for time elapsing before enumeration	.....	77.95	73.08	68.21	63.34	58.47	53.60	48.73	43.86	38.99	34.12	29.25	24.38
Number of births to be added for above correction	7,950	796	770	892	778	798	709	673	684	590	486	407	367
Births of Females, if enumerated in months of occurrence	24,027	1,817	1,823	2,200	2,007	2,163	2,032	2,054	2,244	2,104	1,909	1,800	1,874
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	549	76	70	77	63	61	50	43	39	30	20	13	7
Births of Females, as corrected, equalized to population at close of year	24,576	1,893	1,893	2,277	2,070	2,224	2,082	2,097	2,283	2,134	1,929	1,813	1,881
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+21	—34	+165	—41	+30	—40	+31	—38	—41	+31	—35	+27	—34
Births of Females, corrected and equalized, equalized to months of uniform length	24,597	1,859	2,058	2,236	2,100	2,184	2,113	2,059	2,242	2,165	1,894	1,840	1,847

[a] Excluding 32 births in unknown month.

EXHIBIT D.—*Births of Males and of Females in Michigan during the Year 1877, Corrected for Omissions in the Enumeration, and as thus Corrected, Equalized to Months of Uniform length; also the total Births of both Sexes as thus Corrected and Equalized. (Births of Children of unknown Sex included.)*

	Total.[a]	Months, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males, if enumerated in months of occurrence	26,018	2,143	2,092	2,339	2,351	2,108	2,068	2,276	2,418	2,146	2,152	1,883	2,042
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+25	—39	+182	—42	+34	—38	+30	—41	—44	+31	—39	+28	—37
Births of Males, corrected and equalized to months of uniform length	26,043	2,104	2,274	2,297	2,385	2,070	2,098	2,235	2,374	2,177	2,113	1,911	2,005
Births of Females, if enumerated in months of occurrence	24,027	1,817	1,823	2,200	2,007	2,163	2,032	2,054	2,244	2,104	1,909	1,810	1,874
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+17	—33	+159	—40	+29	—39	+30	—37	—41	+31	—34	+26	—34
Births of Females, corrected and equalized to months of uniform length	24,044	1,784	1,982	2,160	2,036	2,124	2,060	2,017	2,205	2,135	1,875	1,826	1,840
Births of Males, corrected and equalized to months of uniform length	26,043	2,104	2,274	2,297	2,385	2,070	2,098	2,235	2,374	2,177	2,113	1,911	2,005
Births of Males and of Females, corrected and equalized to months of uniform length	50,087	3,888	4,256	4,457	4,421	4,194	4,158	4,252	4,579	4,312	3,988	3,737	3,845
Males to 100 Females, births corrected and equalized	108	118	115	106	117	97	102	111	108	102	113	105	109

[a] Excluding 34 births of males, and 32 births of females in unknown month.

EXHIBIT 3.—*Births in Michigan during the Year 1877, Corrected for Omissions in the Enumeration and Equalized for Months of a uniform length of 30.44 Days.* (*Still-births and Children of unknown Sex included.*)

	Totals[a]	Months, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence	50,132	3,965	3,925	4,556	4,365	4,278	4,105	4,335	4,666	4,257	4,061	3,694	3,925
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+45	—72	+342	—82	+64	—77	+60	—78	—84	+62	—73	+54	—71
Births, corrected and equalized to months of uniform length	50,177	3,893	4,267	4,474	4,429	4,201	4,165	4,257	4,582	4,319	3,988	3,748	3,854

[a] Excluding 71 births in unknown month.

The relation of the number of births to the number of marriages in the months of conceptions of the births may be studied by means of Table III. The proposition that more than the average number of conceptions occurred when more than the average number of marriages were solemnized, and *vice versa*, holds true in only seven of the twelve months. It should be borne in mind that in this table the births as returned are used, after being equalized to months of uniform length, no allowance being made for the probable omissions in the enumeration. This factor is taken into account in Exhibit E, page 11.

TABLE III.—*Exhibiting the Relation between the Births Returned as having Occurred in Michigan during the Year 1877, and the Marriages Solemnized in the Months of the Years 1876 and 1877, in which the Conceptions probably occurred. (Births and Marriages in unknown month excluded.)*

Births Returned as Having Occurred in 1877, Equalized to Months of 30.44 Days each, in Order by Number, Greatest First.					Number of Marriages from April, 1876, to March, 1877, equalized to Months of 30.44 days each.[b]
	Births.[a]		Conceptions.		
	Year and Months.	Number.	Months.	Year.	
	Year	[a] 33,326			11,579
More than the Av. No. of Births.	August	3,169	November	1876	1,155
	September	3,093	December	1876	1,196
	December	3,088	March [c]	1877	845
	October	2,960	January [c]	1877	924
	November	2,889	February [c]	1877	903
	July	2,847	October	1876	1,192
	Average	2,777			965
Less than the Av. No. of Births.	June	2,696	September [c]	1876	1,007
	April	2,694	July [c]	1876	1,012
	March	2,641	June	1876	790
	May	2,634	August	1876	764
	February	2,442	May	1876	831
	January	2,173	April	1876	960

[a] Excluding 71 births in unknown month.
[b] Corrected for additional returns, up to February 1, 1879.
[c] Exceptions to the statement that *more* than an average number of conceptions appear for months in which *more* than an average number of marriages were solemnized, and *less* than an average number of conceptions in months in which *less* than an average number of marriages were solemnized.

In Exhibit E, the births are corrected for omissions in the enumeration, and compared, by months, with the marriages in the months of conception of the births. The evidence in this exhibit is to the effect that a greater than average marriage-rate is attended with a greater than average conception-rate.

EXHIBIT E.—*The Relation between the Births in Michigan during the Year 1877, Corrected for Omissions in the Enumeration, and the Marriages in the Months of the Years 1876 and 1877, in which the Conceptions probably occurred.* (*Births and Marriages in unknown Month excluded.*)

Births, 1877, Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of Uniform Length, in Order by Number, Greatest First.					No. of Marriages from April, 1876, to March, 1877, equalized to Months of 30.44 Days each.[b]
	Births.[a]		Conceptions.		
	Year and Months.	Number.	Months.	Year.	
Year		50,177			11,579
More than the Av. No. of Births.	August	4,582	November	1876	1,155
	March	4,474	June [c]	1876	790
	April	4,429	July	1876	1,012
	September	4,319	December	1876	1,196
	February	4,267	May [c]	1876	831
	July	4,257	October	1876	1,192
	May	4,201	August [c]	1876	764
Average		4,181			965
Less than the Av. No. of Births.	June	4,165	September [c]	1876	1,007
	October	3,988	January	1877	924
	January	3,893	April	1876	960
	December	3,854	March	1877	845
	November	3,748	February	1877	903

[a] Unknown month excluded.
[b] Corrected for additional returns up to February 1, 1879.
[c] Exceptions to the statement that *more* than an average number of conceptions appear for months in which *more* than an average number of marriages were solemnized, and *less* than an average number of conceptions in months in which *less* than an average number of marriages were solemnized.

TABLE IV.—*Exhibiting, by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year, and in each Month of the Year Ending December 31, 1877.* (*Still-births included.*)

State and Counties.	Sex.	Year, 1877.	Months, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State*	Total	33,395	2212	2246	2690	2655	2683	2657	2899	3227	3048	3015	2847	3145	71
	Males	17,227	1187	1192	1372	1421	1314	1331	1514	1664	1530	1591	1446	1631	34
	Females	16,109	1021	1053	1308	1229	1365	1323	1381	1560	1514	1423	1393	1507	32
	Unknown	59	4	1	10	5	4	3	4	3	4	1	8	7	5
	Excess of Males	.....	....	....	....	....	....	....	....	....	....	....	....	....	....
Alcona	Total	44	2	....	5	1	4	5	7	5	6	3	2	4	....
	Males	29	2	....	5	1	2	2	4	5	5	....	....	3	....
	Females	15	....	....	....	....	2	3	3	....	1	3	2	1	....
Allegan	Total	773	48	49	66	57	61	54	62	93	66	65	72	80	....
	Males	404	24	29	40	27	25	33	36	50	39	34	40	33	....
	Females	369	24	20	26	30	36	21	32	43	27	31	32	47	....
Alpena	Total	160	11	9	12	9	13	8	13	14	24	17	18	12	....
	Males	86	8	9	3	4	7	5	6	5	14	9	10	6	....
	Females	74	3	....	9	5	6	3	7	9	10	8	8	6	....
Antrim	Total	126	7	7	10	8	14	10	10	15	14	13	6	6	6
	Males	68	2	2	7	4	8	4	6	6	9	9	4	5	2
	Females	58	5	5	3	4	6	6	4	9	5	4	2	1	4
Baraga	Total	57	4	5	10	4	1	8	3	3	7	7	1	4	....
	Males	27	4	1	4	1	....	4	2	1	3	5	1	1	....
	Females	30	....	4	6	3	1	4	1	2	4	2	....	3	....
Barry	Total	547	29	41	30	29	40	44	57	65	41	68	59	44	....
	Males	294	20	23	14	14	21	27	28	31	23	33	35	25	....
	Females	252	9	18	16	15	19	17	29	34	18	35	24	18	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	....
Bay	Total	893	68	66	80	65	81	65	70	80	69	70	78	100	1
	Males	466	37	36	44	32	34	33	36	43	37	37	40	57	....
	Females	427	31	30	36	33	47	32	34	37	32	33	38	43	1
Benzie	Total	82	2	4	12	7	7	5	13	9	6	7	3	7	....
	Males	44	....	2	6	4	6	1	7	8	3	1	2	4	....
	Females	38	2	2	6	3	1	4	6	1	3	6	1	3	....
Berrien	Total	609	39	37	54	52	47	51	47	36	72	59	60	55	....
	Males	284	19	14	27	21	20	25	25	19	30	27	34	23	....
	Females	325	20	23	27	31	27	26	22	17	42	32	26	32	....

* Except of counties and townships not represented by returns of births in 1877.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Branch	Total	504	30	35	40	33	46	45	43	52	39	54	50	37	....
	Males	259	18	16	20	21	25	20	22	21	22	28	21	25	....
	Females	244	12	19	20	11	21	25	21	31	17	26	29	12	....
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	....
Calhoun	Total	581	29	37	35	48	45	56	41	56	65	51	59	59	....
	Males	309	9	25	21	24	23	25	26	31	36	29	30	30	....
	Females	271	20	12	14	23	22	31	15	25	29	22	29	29	....
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	....
Cass	Total	405	32	32	30	25	29	24	41	42	48	43	26	32	1
	Males	199	21	19	14	12	14	9	15	21	21	23	13	16	1
	Females	206	11	13	16	13	15	15	26	21	27	20	13	16	....
Charlevoix	Total	114	6	9	4	13	10	13	14	14	8	4	6	7	6
	Males	56	2	7	2	9	6	3	8	4	4	3	2	3	3
	Females	57	4	2	2	4	4	10	6	10	4	1	4	4	2
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	....	1
Cheboygan	Total	94	7	3	5	5	6	9	7	17	11	9	7	8	....
	Males	49	2	1	2	2	4	4	3	10	9	3	5	4	....
	Females	45	5	2	3	3	2	5	4	7	2	6	2	4	....
Chippewa[a]	Total	33	2	3	1	3	....	3	3	5	3	2	3	5	....
	Males	14	....	3	....	1	....	1	2	3	....	1	2	1	....
	Females	19	2	....	1	2	....	2	1	2	3	1	1	4	....
Clare[b]	Total	43	3	4	1	1	4	7	3	2	3	4	4	7	....
	Males	21	2	2	1	....	3	3	3	1	1	1	2	2	....
	Females	22	1	2	....	1	1	4	....	1	2	3	2	5	....
Clinton	Total	508	33	25	27	36	37	50	57	42	41	49	49	60	2
	Males	260	12	11	14	21	19	27	24	26	23	31	28	22	2
	Females	246	21	14	13	15	18	23	33	16	18	18	21	36	....
	Unknown	2	....	....	....	....	....	....	....	....	....	....	....	2	....
Delta	Total	148	15	18	17	15	16	7	8	17	7	8	8	12	....
	Males	61	7	8	8	6	6	3	3	6	3	2	4	5	....
	Females	87	8	10	9	9	10	4	5	11	4	6	4	7	....
Eaton	Total	524	29	30	39	53	46	42	48	53	55	39	44	45	1
	Males	272	14	19	26	33	20	27	25	24	31	16	20	17	....
	Females	252	15	11	13	20	26	15	23	29	24	23	24	28	1

[a] No returns from townships of Detour and Sugar Island.
[b] No returns from townships of Sheridan and Winterfield.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Emmet[a]	Total	105	12	7	10	15	10	4	10	5	5	6	8	13	----
	Males	56	8	4	4	5	6	----	7	3	2	4	7	6	----
	Females	48	4	3	5	10	4	4	3	2	3	2	1	7	----
	Unknown	1	----	----	1	----	----	----	----	----	----	----	----	----	----
Genesee	Total	640	40	44	48	52	42	50	69	64	68	51	61	45	6
	Males	311	20	23	27	24	17	26	33	32	29	25	32	19	4
	Females	329	20	21	21	28	25	24	36	32	39	26	29	26	2
Gladwin[b]	Total	3	----	----	----	----	----	1	----	1	1	----	----	----	----
	Males	1	----	----	----	----	----	----	----	1	----	----	----	----	----
	Females	2	----	----	----	----	----	1	----	----	1	----	----	----	----
Grand Traverse	Total	171	4	12	18	17	18	10	20	23	11	12	14	12	----
	Males	96	4	9	5	9	8	6	12	13	9	6	6	9	----
	Females	75	----	3	13	8	10	4	8	10	2	6	8	3	----
Gratiot	Total	419	20	29	36	37	35	35	39	45	38	35	38	32	----
	Males	211	10	18	15	17	19	16	19	22	16	22	16	21	----
	Females	207	10	11	20	20	16	19	20	23	22	13	22	11	----
	Unknown	1	----	----	1	----	----	----	----	----	----	----	----	----	----
Hillsdale	Total	473	26	25	33	42	34	34	37	51	61	45	37	48	----
	Males	220	16	11	11	22	17	15	19	22	28	18	17	24	----
	Females	252	10	14	21	20	17	19	18	29	33	27	20	24	----
	Unknown	1	----	----	1	----	----	----	----	----	----	----	----	----	----
Houghton	Total	895	59	52	88	66	82	70	71	78	88	82	79	79	1
	Males	447	30	30	44	30	36	37	33	33	46	42	41	44	1
	Females	441	28	22	42	36	44	32	38	45	42	40	37	35	----
	Unknown	7	1	----	2	----	2	1	----	----	----	----	1	----	----
Huron	Total	485	25	44	42	44	40	43	46	38	39	44	30	49	1
	Males	246	12	27	27	24	21	20	20	19	15	22	10	29	----
	Females	239	13	17	15	20	19	23	26	19	24	22	20	20	1
Ingham	Total	526	21	35	42	37	31	38	42	63	44	57	58	58	----
	Males	279	12	18	20	24	15	17	24	36	21	27	32	33	----
	Females	244	9	17	21	13	16	21	18	27	23	30	24	25	----
	Unknown	3	----	----	1	----	----	----	----	----	----	----	2	----	----
Ionia	Total	635	29	48	50	61	42	53	60	66	53	60	53	60	----
	Males	333	12	27	24	34	29	30	32	29	31	33	24	28	----
	Females	299	17	21	26	27	13	23	27	37	21	27	28	32	----
	Unknown	3	----	----	----	----	----	----	1	----	1	----	1	----	----

[a] No returns from townships of Center, Friendship, and Pleasant View.
[b] No returns from township of

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Iosco	Total	127	11	8	7	10	15	15	9	8	16	6	8	14	....
	Males	68	5	6	3	6	6	8	2	5	10	6	3	8	....
	Females	59	6	2	4	4	9	7	7	3	6	....	5	6	....
Isabella	Total	266	20	14	21	25	25	22	22	28	24	26	17	22	....
	Males	145	12	7	9	14	14	12	13	11	15	16	8	14	....
	Females	120	8	7	12	10	11	10	9	17	9	10	9	8	....
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	....
Isle Royal		*	....	....	....	....	....	....	....	....	....	....	....	....	....
Jackson	Total	771	48	48	61	60	66	77	58	74	72	66	55	86	....
	Males	388	25	27	26	37	31	36	27	33	30	33	33	50	....
	Females	383	23	21	35	23	35	41	31	41	42	33	22	36	....
Kalamazoo	Total	611	43	41	39	51	59	34	54	65	51	57	48	68	1
	Males	319	25	21	20	27	34	20	26	32	27	25	20	42	....
	Females	292	18	20	19	24	25	14	28	33	24	32	28	26	1
Kalkaska	Total	47	4	3	6	2	6	3	2	3	3	5	6	4	....
	Males	21	....	1	2	....	4	2	1	3	....	3	3	2	....
	Females	26	4	2	4	2	2	1	1	....	3	2	3	2	....
Kent	Total	1,689	150	101	154	125	108	135	144	137	155	153	143	167	17
	Males	859	83	53	72	57	58	77	74	76	66	86	63	86	8
	Females	824	67	48	80	68	49	58	70	61	88	66	80	80	9
	Unknown	6	....	....	2	....	1	....	....	....	1	1	....	1	....
Keweenaw	Total	297	17	20	36	24	27	21	34	21	25	33	20	19	....
	Males	158	8	9	23	14	18	11	19	10	9	17	12	8	....
	Females	138	9	11	13	10	9	10	15	11	16	16	8	10	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	....
Lake	Total	69	5	3	3	10	7	10	6	3	7	6	6	2	1
	Males	40	4	1	....	9	3	7	3	1	6	2	3	1	....
	Females	29	1	2	3	1	4	3	3	2	1	4	3	1	1
Lapeer	Total	612	52	37	46	38	52	48	54	49	57	70	52	57	....
	Males	310	24	24	23	22	27	21	26	27	31	36	25	24	....
	Females	301	28	13	23	16	25	27	28	22	26	34	26	33	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....
Leelanaw	Total	163	6	5	7	18	17	20	16	15	15	16	17	10	1
	Males	90	4	2	4	9	8	12	9	6	10	12	8	5	1
	Females	73	2	3	3	9	9	8	7	9	5	4	9	5	....

* No returns from county clerk.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Lenawee	Total	813	37	59	56	57	81	55	69	73	93	89	71	73	....
	Males	443	16	25	29	35	43	27	39	40	51	53	40	45	....
	Females	370	21	34	27	22	38	28	30	33	42	36	31	28	....
Livingston	Total	400	34	26	30	33	34	26	36	39	37	28	42	35	....
	Males	225	23	9	12	19	19	14	22	26	22	13	25	21	....
	Females	175	11	17	18	14	15	12	14	13	15	15	17	14	....
Mackinac[a]	Total	55	3	4	6	2	1	5	6	9	3	5	4	7	....
	Males	33	....	4	3	1	1	3	3	6	2	1	4	5	....
	Females	21	3	....	3	1	....	2	2	3	1	4	....	2	....
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	....
Macomb	Total	701	50	42	65	65	46	51	64	85	55	58	62	57	1
	Males	373	26	25	38	36	24	30	33	38	33	31	33	25	1
	Females	328	24	17	27	29	22	21	31	47	22	27	29	32	....
Manistee	Total	378	27	29	24	34	33	35	37	36	30	41	29	13	....
	Males	182	11	13	11	15	19	22	18	18	13	20	16	6	....
	Females	196	16	16	13	19	14	13	19	18	17	21	23	7	....
Manitou[b]	Total	34	4	1	3	4	....	5	1	3	5	4	2	2	....
	Males	21	2	1	2	3	....	3	1	2	3	1	2	1	....
	Females	13	2	....	1	1	....	2	....	1	2	3	....	1	....
Marquette	Total	698	28	45	54	55	53	64	73	73	48	63	64	78	....
	Males	373	20	26	24	25	27	34	44	38	26	33	32	44	....
	Females	325	8	19	30	30	26	30	29	35	22	30	32	34	....
Mason	Total	148	14	6	13	16	13	7	11	17	16	9	17	9	....
	Males	82	11	2	7	11	2	2	7	12	8	7	8	5	....
	Females	65	3	4	6	5	11	5	4	5	8	2	8	4	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	....
Mecosta	Total	271	12	19	23	21	26	25	30	34	18	25	23	14	1
	Males	150	5	11	10	12	17	10	19	21	8	15	15	6	1
	Females	121	7	8	13	9	9	15	11	13	10	10	8	8	....
Menominee[c]	Total	67	2	5	5	11	5	6	6	6	6	5	3	6	1
	Males	36	2	2	5	6	2	2	3	1	4	4	2	2	1
	Females	31	....	3	....	5	3	4	3	5	2	1	1	4	....
Midland	Total	102	5	7	12	8	7	10	11	7	6	8	14	7	....
	Males	52	3	3	8	7	5	3	5	2	2	5	8	1	....
	Females	50	2	4	4	1	2	7	6	5	4	3	6	6	....

No returns from township of Holmes.
No returns from township of Chandler.
No returns from townships of Breitung, Cedarville, and Spaulding.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Missaukee	Total	34	3	5	1	2	5	2	3	4	4	2	3	----	----
	Males	13	2	3	1	1	1	1	1	1	1	1	----	----	----
	Females	21	1	2	----	1	4	1	2	3	3	1	3	----	----
Monroe	Total	692	46	47	58	56	48	53	41	81	57	70	63	71	1
	Males	349	23	23	28	28	26	23	25	41	32	32	36	31	1
	Females	343	23	24	30	28	22	30	16	40	25	38	27	40	----
Montcalm	Total	458	29	34	27	40	40	28	44	48	40	32	47	49	----
	Males	225	15	14	10	24	21	12	25	25	17	16	26	20	----
	Females	232	13	20	17	16	19	16	19	23	23	16	21	29	----
	Unknown	1	1	----	----	----	----	----	----	----	----	----	----	----	----
Muskegon	Total	389	17	26	34	29	33	31	39	44	34	38	26	38	----
	Males	201	13	13	18	17	17	10	19	25	17	24	10	18	----
	Females	187	4	13	16	12	16	21	20	19	17	14	15	20	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	1	----	----
Newaygo	Total	246	15	19	9	19	30	22	13	18	21	28	32	20	----
	Males	133	8	9	3	14	15	16	5	9	11	18	13	12	----
	Females	113	7	10	6	5	15	6	8	9	10	10	19	8	----
Oakland	Total	640	36	34	40	46	67	47	60	68	58	66	53	65	----
	Males	307	16	19	22	20	26	23	26	36	29	30	27	33	----
	Females	327	19	14	17	25	41	23	34	31	29	36	26	32	----
	Unknown	6	1	1	1	1	----	1	----	1	----	----	----	----	----
Oceana	Total	233	13	16	24	15	19	23	18	29	19	21	14	21	1
	Males	115	8	5	12	7	8	10	12	12	8	11	10	12	----
	Females	117	5	11	12	8	11	13	6	17	11	10	4	9	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	----	----	1
Ogemaw [a]		----	----	----	----	----	----	----	----	----	----	----	----	----	----
Ontonagon	Total	74	4	----	9	7	11	9	3	4	5	5	5	12	----
	Males	40	2	----	4	4	4	3	3	3	2	4	3	8	----
	Females	34	2	----	5	3	7	6	----	1	3	1	2	4	----
Osceola	Total	273	25	25	31	29	19	22	26	26	20	14	12	24	----
	Males	141	16	14	15	15	7	11	16	16	7	7	6	11	----
	Females	132	9	11	16	14	12	11	10	10	13	7	6	13	----
Otsego [b]	Total	11	1	1	2	1	3	----	1	----	----	1	1	----	----
	Males	4	1	1	----	----	2	----	----	----	----	----	----	----	----
	Females	7	----	----	2	1	1	----	1	----	----	1	1	----	----

[a] County clerk says no returns of births from supervisors for 1877.
[b] No returns from townships of Charlton, Elmira, and Livingston.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Ottawa	Total	947	72	78	101	78	51	70	72	83	101	84	78	79	----
	Males	509	39	33	46	49	27	36	43	46	55	52	43	40	----
	Females	435	32	45	55	29	24	34	29	36	46	32	34	39	----
	Unknown	3	1	----	----	----	----	----	----	1	----	----	1	----	----
Presque Isle	Total	73	8	8	6	2	6	6	8	4	11	7	4	3	----
	Males	33	4	3	2	2	1	3	2	3	8	2	2	1	----
	Females	40	4	5	4	----	5	3	6	1	3	5	2	2	----
Roscommon	Total	5	----	1	----	----	----	----	1	----	1	----	----	2	----
	Males	3	----	----	----	----	----	----	1	----	1	----	----	1	----
	Females	2	----	1	----	----	----	----	----	----	----	----	----	1	----
Saginaw	Total	1,378	104	101	114	125	117	123	127	110	123	115	95	121	3
	Males	633	58	51	60	56	50	54	65	53	51	52	45	58	----
	Females	722	46	50	54	69	66	69	62	56	71	63	50	63	3
	Unknown	3	----	----	----	----	1	----	----	1	1	----	----	----	----
Sanilac	Total	500	40	25	43	48	50	41	39	39	46	44	36	49	----
	Males	255	18	11	24	28	23	20	18	18	24	26	17	28	----
	Females	245	22	14	19	20	27	21	21	21	22	18	19	21	----
Schoolcraft	Total	13	1	----	----	3	1	----	1	2	----	4	----	1	----
	Males	8	----	----	----	3	----	----	1	2	----	2	----	----	----
	Females	5	1	----	----	----	1	----	----	----	----	2	----	1	----
Shiawassee	Total	484	34	30	35	34	41	39	40	49	43	42	45	52	----
	Males	242	16	14	17	21	22	18	17	23	16	29	24	25	----
	Females	242	18	16	18	13	19	21	23	26	27	13	21	27	----
St. Clair	Total	1,000	63	73	88	103	74	82	73	112	97	87	91	89	3
	Males	513	33	33	43	56	35	34	35	54	45	38	34	51	2
	Females	482	30	40	45	47	39	38	38	38	52	49	57	37	1
	Unknown	5	----	----	----	----	----	----	2	----	----	----	----	1	----
St. Joseph	Total	436	24	30	25	28	48	38	33	47	46	46	45	38	1
	Males	222	11	14	11	17	22	22	16	24	20	27	28	21	1
	Females	214	10	16	14	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	17	17	----
Tuscola	Total	[illegible]	[illegible]											[illegible]	----
	Males													[illegible]	----
	Females													[illegible]	----

[illegible]

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Van Buren	Total	514	34	29	41	44	30	30	55	67	44	39	50	46	5
	Males	274	23	19	18	22	13	16	30	35	20	22	27	27	2
	Females	240	11	10	23	22	17	14	25	32	24	17	23	19	3
Washtenaw	Total	647	42	45	56	53	67	54	45	51	59	76	46	53	----
	Males	326	28	28	25	21	30	30	19	22	31	39	18	35	----
	Females	321	14	17	31	32	37	24	26	29	28	37	28	18	----
Wayne	Total	4,736	367	354	370	333	353	344	410	435	419	406	414	522	3
	Males	2,563	197	196	218	199	167	172	237	248	222	217	213	274	3
	Females	2,165	170	158	151	133	186	171	173	187	196	189	201	247	3
	Unknown	8	----	----	1	1	----	1	----	----	1	----	----	1	3
Wexford[a]	Total	111	4	6	4	12	9	9	7	8	15	5	12	20	----
	Males	46	3	3	3	4	5	4	3	2	2	4	6	7	----
	Females	65	1	3	1	8	4	5	4	6	13	1	6	13	----

[a] No returns from township of Harring, and 1st, 2d, and 3d wards of city of Cadillac.

TABLE V.—*Exhibiting, by Color and by Sex, the Number of Children returned as having been born in Michigan during the Year 1877, and the Per Cent. of Children of each Sex to the Total Number of both Sexes. (Still-births included.)*

COLOR OR RACE.	SEX.	Children Born in 1877.	Per Cent. of each Sex to Children of both Sexes.
All Colors	Total	33,395	.....
	Males	17,227	51.63
	Females	16,169	48.32
	Unknown	39	.....
White	Total	32,505	.....
	Males	16,927	51.06
	Females	15,542	48.34
	Unknown	36	.....
Black	Total	102	.....
	Males	57	55.88
	Females	45	44.12
Mulatto	Total	87	.....
	Males	46	52.87
	Females	41	47.13
Indian	Total	130	.....
	Males	67	51.54
	Females	63	48.46
Unknown color	Total	271	.....
	Males	130	52.42
	Females	118	47.58
	Unknown	23	.....
Black and Mulatto	Total	189	.....
	Males	103	54.50
	Females	86	45.50

Table VI. contains, by counties, the number of births in 1877, the population in 1874, the birth-rate, and the proportion of males among births. The usual propositions made concerning the birth-rate and the proportion of males are as follows: 1, greater than average birth-rate, more than average proportion of males; 2, greater than average birth-rate, less than average proportion of males; 3, less than average birth-rate, less than average proportion of males; 4, less than average birth-rate, more than average proportion of males. In this table there are three counties for which no statement is made; and of the rem[illegible] position was true in 24 counties, the [illegible] was true in 17 counties, and the [illegible]ition, therefore, that a greater [illegible]er than average proportion of [illegible] out of 73 counties.

TABLE VI.—*Exhibiting for the State and Counties of Michigan, by Sex, the Population in 1874, the Per Cent. of Births in 1877 to Population in 1874, the Number of Males to 100 Females born during the Year 1877, and by Sex and Color the Number of Children born during the Year ending December 31, 1877.* (*Still-births included.*)

STATE AND COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
State [a]	107	Total	.....	1,329,808	2.51	33,395	32,805	[b] 102	87	130	271
		Males	51.68	694,751	2.48	17,227	16,927	57	46	[c] 67	130
		Females	48.32	635,057	2.54	16,109	15,842	45	41	[d] 63	118
		Unknown	.....	.....	.....	59	36	.....	.....	.....	23
Alcona	193	Total	.....	1,214	3.62	44	44	.....	.....	.....	.....
		Males	65.91	688	4.22	29	29	.....	.....	.....	.....
		Females	34.09	526	2.85	15	15	.....	.....	.....	.....
Allegan	109	Total	.....	32,381	2.39	773	755	1	3	1	13
		Males	52.26	16,976	2.38	404	396	.....	1	.....	7
		Females	47.74	15,405	2.40	369	359	1	2	1	6
Alpena	116	Total	.....	4,807	3.33	160	160	.....	.....	.....	.....
		Males	53.75	2,808	3.06	86	86	.....	.....	.....	.....
		Females	46.25	1,999	3.72	74	74	.....	.....	.....	.....
Antrim	117	Total	.....	3,002	4.20	126	124	.....	.....	2	.....
		Males	53.97	1,654	4.11	68	66	.....	.....	2	.....
		Females	46.03	1,348	4.30	58	58	.....	.....	.....	.....
Baraga [e]	90	Total	.....	*	e	57	41	.....	.....	16	.....
		Males	47.37	.....	.....	27	21	.....	.....	[f] 6	.....
		Females	52.63	.....	.....	30	20	.....	.....	[g] 10	.....
Barry	117	Total	.....	22,051	2.48	547	546	.....	.....	.....	1
		Males	53.85	11,588	2.54	294	294	.....	.....	.....	.....
		Females	46.15	10,463	2.41	252	252	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Bay	109	Total	.....	24,832	3.60	893	886	3	.....	4	.....
		Males	52.18	13,657	3.41	466	462	1	.....	3	.....
		Females	47.82	11,175	3.82	427	424	2	.....	1	.....
Benzie	116	Total	.....	2,663	3.08	82	82	.....	.....	.....	.....
		Males	53.66	1,422	3.09	44	44	.....	.....	.....	.....
		Females	46.34	1,241	3.06	38	38	.....	.....	.....	.....

[a] For counties and townships from which no returns of births were received, see Table XXI.
[b] Includes 8 males and 4 females "Colored."
[c] Includes 9 "Half-breed," and 1 ¾ Indian, ¼ White.
[d] Includes 9 "Half-breed," 1 "Copper-colored," and 1 ¾ Indian, ¼ White.
[e] Population of Baraga county cannot be ascertained. It was compiled with Houghton county.
[f] Includes 4 "Half-breed," and 1 ¾ Indian, ¼ White.
[g] Includes 6 "Half-breed," and 1 ¾ Indian, ¼ White.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874, Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Berrien	87	Total	.....	35,029	1.74	609	603	4	2	.....	.....
		Males	46.63	17,942	1.58	284	281	2	1	.....	.....
		Females	53.37	17,087	1.90	325	322	2	1	.....	.....
Branch	102	Total	.....	25,726	1.96	504	501	.....	.....	.....	3
		Males	51.49	13,041	1.99	259	258	.....	.....	.....	1
		Females	48.51	12,685	1.92	244	243	.....	.....	.....	1
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Calhoun	114	Total	.....	35,655	1.63	581	569	5	3	3	1
		Males	53.28	18,156	1.70	309	304	2	1	1	1
		Females	46.72	17,499	1.55	271	264	3	2	2	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Cass	97	Total	.....	20,525	1.97	405	369	7	28	.....	1
		Males	49.14	10,592	1.88	199	178	4	16	.....	1
		Females	50.86	9,933	2.06	206	191	3	12	.....	.....
Charlevoix	98	Total	.....	2,360	4.83	114	107	1	.....	5	1
		Males	49.56	1,280	4.38	56	52	1	.....	3	.....
		Females	50.44	1,080	5.28	57	55	.....	.....	2	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Cheboygan	109	Total	.....	3,070	3.06	94	86	.....	.....	8	.....
		Males	52.13	1,706	2.87	49	45	.....	.....	[a] 4	.....
		Females	47.87	1,364	3.30	45	41	.....	.....	[b] 4	.....
Chippewa [c]	73	Total	.....	1,617	2.04	33	.....	.....	.....	.....	33
		Males	42.42	918	1.53	14	.....	.....	.....	.....	14
		Females	57.58	699	2.72	19	.....	.....	.....	.....	19
Clare [c]	95	Total	.....	1,114	3.86	43	43	.....	.....	.....	.....
		Males	48.84	607	3.46	21	21	.....	.....	.....	.....
		Females	51.16	507	4.34	22	22	.....	.....	.....	.....
Clinton	106	Total	.....	23,661	2.15	508	504	1	1	.....	2
		Males	51.38	12,162	2.14	260	258	1	1	.....	.....
		Females	48.62	11,499	2.14	246	246	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	.....	.....	.....	.....	2
Delta	70	Total	.....	4,741	3.12	148	144	.....	.....	4	.....
		Males	41.22	2,882	2.12	61	59	.....	.....	2	.....
		Females	58.78	1,859	4.68	87	85	.....	.....	2	.....

[a] Includes 3 "Half-breed."
[b] Includes 2 "Half-breed."
[c] For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Eaton	108	Total	.....	26,907	1.94	524	523	1	.....	.....	.....
		Males	51.91	13,875	1.96	272	271	1	.....	.....	.....
		Females	48.09	13,032	1.93	252	252	.....	.....	.....	.....
Emmet	117	Total	.....	1,272	8.25	105	69	.....	.....	35	1
		Males	53.85	669	8.37	56	38	.....	.....	18	.....
		Females	46.15	603	7.96	48	30	.....	.....	17	1
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Genesee	95	Total	.....	34,568	1.85	640	633	4	1	1	1
		Males	48.59	17,536	1.77	311	310	1	.....	.....	.....
		Females	51.41	17,032	1.93	329	323	3	1	[b] 1	1
Gladwin [a]	50	Total	.....	146	2.05	3	3	.....	.....	.....	.....
		Males	33.33	81	1.23	1	1	.....	.....	.....	.....
		Females	66.67	65	3.08	2	2	.....	.....	.....	.....
Gr. Traverse	128	Total	.....	5,349	3.20	171	171	.....	.....	.....	.....
		Males	56.14	2,801	3.43	96	96	.....	.....	.....	.....
		Females	43.86	2,548	2.94	75	75	.....	.....	.....	.....
Gratiot	102	Total	.....	13,886	3.02	419	418	.....	1	.....	.....
		Males	50.48	7,304	2.89	211	210	.....	1	.....	.....
		Females	49.52	6,582	3.14	207	207	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Hillsdale	87	Total	.....	31,566	1.50	473	463	.....	1	.....	9
		Males	46.61	15,971	1.38	220	215	.....	1	.....	4
		Females	53.39	15,595	1.62	252	248	.....	.....	.....	4
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Houghton [c]	101	Total	.....	19,030	4.70	893	890	.....	.....	.....	5
		Males	50.34	11,013	4.06	447	447	.....	.....	.....	.....
		Females	49.66	8,017	5.50	441	441	.....	.....	.....	.....
		Unknown	.....	.....	.....	7	2	.....	.....	.....	5
Huron	103	Total	.....	11,964	4.05	485	485	.....	.....	.....	.....
		Males	50.72	6,614	3.72	246	246	.....	.....	.....	.....
		Females	49.28	5,350	4.47	239	239	.....	.....	.....	.....
Ingham	114	Total	.....	29,193	1.80	526	518	3	3	.....	2
		Males	53.35	15,204	1.84	279	275	3	1	.....	.....
		Females	46.65	13,989	1.74	244	242	.....	2	.....	.....
		Unknown	.....	.....	.....	3	1	.....	.....	.....	2

[a] For townships from which no returns of births were received, see Table XXI.
[b] "Copper Colored."
[c] Includes the population of Baraga county.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Ionia	111	Total	.....	28,376	2.24	635	634	.....	1	.....	.....
		Males	52.69	14,788	2.25	333	333	.....	.....	.....	.....
		Females	47.31	13,588	2.20	299	298	.....	1	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Iosco	115	Total	.....	4,575	2.78	127	127	.....	.....	.....	.....
		Males	53.54	2,706	2.51	68	68	.....	.....	.....	.....
		Females	46.46	1,869	3.16	59	59	.....	.....	.....	.....
Isabella	121	Total	.....	6,059	4.39	266	245	.....	3	17	1
		Males	54.72	3,273	4.43	145	132	.....	3	10	.....
		Females	45.28	2,786	4.31	120	113	.....	.....	7	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Isle Royal.[b]	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	101	Total	.....	37,988	2.03	771	764	7	.....	.....	.....
		Males	50.32	19,853	1.95	388	384	[c] 4	.....	.....	.....
		Females	49.68	18,135	2.11	383	380	3	.....	.....	.....
Kalamazoo	109	Total	.....	32,284	1.89	611	602	9	.....	.....	.....
		Males	52.21	16,583	1.92	319	313	[d] 6	.....	.....	.....
		Females	47.79	15,701	1.86	292	289	[e] 3	.....	.....	.....
Kalkaska	81	Total	.....	1,259	3.73	47	46	.....	.....	1	.....
		Males	44.68	692	3.03	21	21	.....	.....	.....	.....
		Females	55.32	567	4.58	26	25	.....	.....	1	.....
Kent	104	Total	.....	62,671	2.70	1,689	1,675	5	7	.....	2
		Males	51.04	32,576	2.64	859	851	3	5	.....	.....
		Females	48.96	30,095	2.74	824	820	2	2	.....	.....
		Unknown	.....	.....	.....	6	4	.....	.....	.....	2
Keweenaw	114	Total	.....	5,411	5.49	297	297	.....	.....	.....	.....
		Males	53.38	3,233	4.89	158	158	.....	.....	.....	.....
		Females	46.62	2,178	6.34	138	138	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Lake	138	Total	.....	1,813	3.81	69	68	.....	.....	1	.....
		Males	57.97	1,015	3.94	40	40	.....	.....	.....	.....
		Females	42.03	798	3.63	29	28	.....	.....	1	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] No returns from county clerk.
[c] Includes 1 "Copper Colored."
[d] Includes 4 "Colored."
[e] Includes 2 "Colored."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Lapeer	103	Total	.....	25,140	2.43	612	605	1	6	.....	.....
		Males	50.74	13,095	2.37	310	307	1	2	.....	.....
		Females	49.26	12,045	2.50	301	297	.....	4	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Leelanaw	123	Total	.....	5,031	3.24	163	141	.....	1	21	.....
		Males	55.21	2,692	3.34	90	76	.....	1	13	.....
		Females	44.79	2,339	3.12	73	65	.....	.....	8	.....
Lenawee	120	Total	.....	46,084	1.76	813	810	2	1	.....	.....
		Males	54.49	23,256	1.90	443	440	2	1	.....	.....
		Females	45.51	22,828	1.62	370	370	.....	.....	.....	.....
Livingston	129	Total	.....	20,329	1.97	400	400	.....	.....	.....	.....
		Males	56.25	10,569	2.13	225	225	.....	.....	.....	.....
		Females	43.75	9,760	1.79	175	175	.....	.....	.....	.....
Mackinac[a]	157	Total	.....	698	7.88	55	54	.....	.....	.....	1
		Males	61.11	359	9.19	33	33	.....	.....	.....	.....
		Females	38.89	339	6.19	21	21	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Macomb	114	Total	.....	28,305	2.48	701	701	.....	.....	.....	.....
		Males	53.21	14,367	2.60	373	373	.....	.....	.....	.....
		Females	46.79	13,938	2.35	328	328	.....	.....	.....	.....
Manistee	93	Total	.....	8,471	4.46	378	377	.....	.....	1	.....
		Males	48.15	4,792	3.80	182	182	.....	.....	.....	.....
		Females	51.85	3,679	5.33	196	195	.....	.....	1	.....
Manitou[a]	162	Total	.....	504	6.75	34	34	.....	.....	.....	.....
		Males	61.76	275	7.64	21	21	.....	.....	.....	.....
		Females	38.24	229	5.68	13	13	.....	.....	.....	.....
Marquette	115	Total	.....	21,946	3.18	698	698	.....	.....	.....	.....
		Males	53.44	12,893	2.89	373	373	.....	.....	.....	.....
		Females	46.56	9,053	3.59	325	325	.....	.....	.....	.....
Mason	126	Total	.....	5,361	2.76	148	148	.....	.....	.....	.....
		Males	55.78	2,971	2.76	82	82	.....	.....	.....	.....
		Females	44.22	2,390	2.72	65	65	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Mecosta	124	Total	.....	9,132	2.97	271	271	.....	.....	.....	.....
		Males	55.35	4,874	3.08	150	150	.....	.....	.....	.....
		Females	44.65	4,258	2.84	121	121	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Menominee[a]	116	Total	.....	3,248	2.06	67	67	.....	.....	.....	.....
		Males	53.73	2,054	1.75	36	36	.....	.....	.....	.....
		Females	46.27	1,194	2.60	31	31	.....	.....	.....	.....
Midland	104	Total	.....	4,765	2.14	102	102	.....	.....	.....	.....
		Males	56.98	2,593	2.01	52	52	.....	.....	.....	.....
		Females	49.02	2,172	2.30	50	50	.....	.....	.....	.....
Missaukee	62	Total	.....	606	5.61	34	34	.....	.....	.....	.....
		Males	38.24	395	3.29	13	13	.....	.....	.....	.....
		Females	61.76	211	9.95	21	21	.....	.....	.....	.....
Monroe	102	Total	.....	30,111	2.30	692	691	1	.....	.....	.....
		Males	50.43	15,302	2.28	349	348	1	.....	.....	.....
		Females	49.57	14,809	2.32	343	343	.....	.....	.....	.....
Montcalm	97	Total	.....	20,815	2.20	458	453	.....	1	.....	4
		Males	49.23	11,311	1.99	225	222	.....	1	.....	2
		Females	50.77	9,504	2.44	232	230	.....	.....	.....	2
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Muskegon	107	Total	.....	19,375	2.01	389	389	.....	.....	.....	.....
		Males	51.80	10,761	1.87	201	201	.....	.....	.....	.....
		Females	48.20	8,614	2.17	187	187	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Newaygo	118	Total	.....	8,758	2.81	246	246	.....	.....	.....	.....
		Males	54.07	4,879	2.73	133	133	.....	.....	.....	.....
		Females	45 93	3,879	2.91	113	113	.....	.....	.....	.....
Oakland	94	Total	.....	38,082	1.68	640	637	2	1	.....	.....
		Males	48.42	19,446	1.58	307	306	1	.....	.....	.....
		Females	51.58	18,636	1.75	327	325	1	1	.....	.....
		Unknown	.....	.....	.....	6	6	.....	.....	.....	.....
Oceana	98	Total	.....	8,360	2.79	233	233	.....	.....	.....	.....
		Males	49.57	4,581	2.51	115	115	.....	.....	.....	.....
		Females	50.43	3,779	3.10	117	117	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ogemaw[b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon	118	Total	.....	2,406	3.08	74	71	.....	1	2	.....
		Males	54.05	1,276	3.13	40	39	.....	.....	[c] 1	.....
		Females	45.95	1,130	3.01	34	32	.....	1	[c] 1	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] County clerk says no returns of births from supervisors for 1877.
[c] "Half-breed."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	Color,—Children Born in 1877.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Osceola	107	Total	.....	6,216	4.39	273	273	.....	.....	.....	.....
		Males	51.65	3,491	4.04	141	141	.....	.....	.....	.....
		Females	48.35	2,725	4.84	132	132	.....	.....	.....	.....
Otsego	57	Total	.....	238	4.62	11	11	.....	.....	.....	.....
		Males	36.36	162	2.47	4	4	.....	.....	.....	.....
		Females	63.64	76	9.21	7	7	.....	.....	.....	.....
Ottawa	117	Total	.....	29,929	3.16	947	937	3	1	.....	6
		Males	53.92	15,789	3.22	509	502	3	.....	.....	4
		Females	46.08	14,140	3.08	435	433	.....	1	.....	1
		Unknown	.....	.....	.....	3	2	.....	.....	.....	1
Presque Isle.[a]	83	Total	.....	896	8.15	73	73	.....	.....	.....	.....
		Males	45.21	483	6.83	33	33	.....	.....	.....	.....
		Females	54.79	413	9.69	40	40	.....	.....	.....	.....
Roscommon.	150	Total	.....	276	1.81	5	5	.....	.....	.....	.....
		Males	60.00	187	1.60	3	3	.....	.....	.....	.....
		Females	40.00	89	2.25	2	2	.....	.....	.....	.....
Saginaw	90	Total	.....	48,409	2.85	1,378	1,364	2	4	8	.....
		Males	47.49	25,968	2.51	653	647	.....	2	[b] 4	.....
		Females	52.51	22,441	3.22	722	714	2	2	4	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Sanilac	104	Total	.....	16,292	3.07	500	500	.....	.....	.....	.....
		Males	51.00	8,652	2.95	255	255	.....	.....	.....	.....
		Females	49.00	7,640	3.21	245	245	.....	.....	.....	.....
Schoolcraft[a]	160	Total	.....	301	4.32	13	13	.....	.....	.....	.....
		Males	61.54	195	4.10	8	8	.....	.....	.....	.....
		Females	38.46	106	4.72	5	5	.....	.....	.....	.....
Shiawassee.	100	Total	.....	21,773	2.22	484	484	.....	.....	.....	.....
		Males	50.00	11,265	2.15	242	242	.....	.....	.....	.....
		Females	50.00	10,508	2.30	242	242	.....	.....	.....	.....
St. Clair	97	Total	.....	40,688	2.58	1,050	872	.....	.....	.....	178
		Males	49.19	21,181	2.43	515	420	.....	.....	.....	95
		Females	50.81	19,507	2.73	532	452	.....	.....	.....	80
		Unknown	.....	.....	.....	3	.....	.....	.....	.....	3

[a] For townships from which no returns of births were received, see Table XXI.
[b] Includes 1 "Half-breed."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
St. Joseph..	105	Total.....	.....	25,906	1.69	438	436	1	1	.....	.....
		Males....	51.14	13,267	1.68	224	223	.....	1	.....	.....
		Females..	48.86	12,639	1.69	214	213	1	.....	.....	.....
Tuscola.....	109	Total.....	.....	16,998	3.14	533	533	.....	.....	.....	.....
		Males....	52.17	8,950	3.11	278	278	.....	.....	.....	.....
		Females..	47.83	8,048	3.17	255	255	.....	.....	.....	.....
Van Buren..	114	Total.....	.....	29,156	1.76	514	504	7	3	.....	.....
		Males....	53.31	15,062	1.82	274	270	2	2	.....	.....
		Females..	46.69	14,094	1.70	240	234	[b] 5	1	.....	.....
Washtenaw.	102	Total.....	.....	38,723	1.67	647	634	7	2	.....	4
		Males....	50.39	19,553	1.67	326	319	[b] 4	2	.....	1
		Females..	49.61	19,170	1.67	321	315	[b] 3	.....	.....	3
Wayne.....	118	Total.....	.....	144,803	3.27	4,736	4,698	25	11	.....	2
		Males....	54.21	72,396	3.34	2,563	2,546	[c] 14	3	.....	.....
		Females..	45.79	72,387	2.98	2,163	2,146	11	8	.....	.....
		Unknown	.....	.....	.....	8	6	.....	.....	.....	2
Wexford....	71	Total.....	.....	2,817	3.93	111	111	.....	.....	.....	.....
		Males....	41.44	1,633	2.82	46	46	.....	.....	.....	.....
		Females..	58.56	1,179	3.31	65	65	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] 1 "Colored."
[c] Includes 2 "Colored."

BIRTH-RATE OF NATIVE AND FOREIGN-BORN INHABITANTS.

The birth-rate in this State in 1877 cannot be ascertained from any available statistics. The evidence drawn from a comparison of the population in 1870 with the births in 1877 would not be of much value in studying this subject, as there would doubtless be various changes in the population during a period of seven years; and the census of Michigan for 1874 does not furnish any statistics of the native or of the foreign-born inhabitants.

Table VII. furnishes the best data we have in this Report for studying the comparative birth-rate of the native and of the foreign-born inhabitants. In 1877, as shown by this table, the parents of 45.73 per cent. of the children born were both native-born, and of 34.61 per cent. the parents were both foreign-born. In the population of this State in 1870, aged 15 to 45 years, 65.74 per cent. were native-born, and [illegible] per cent. were foreign-born; and by comparing these statements [illegible] that the proportion of births among the [illegible] in the proportion of the native-born [illegible] births

among the foreign-born parents is much greater than the proportion of the foreign-born inhabitants. These facts indicate that the birth-rate among the foreign-born inhabitants is greater than among the native-born.

TABLE VII.—*Exhibiting, by Sex, by Number, and by Per Cent. of Total, the Parent-Nativity of Children Born in Michigan during the Year 1877, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN, 1877.	TOTAL BIRTHS, 1877.							
	NUMBER.				PER CENT. OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	33,395	17,227	16,109	59	100.00	100.00	100.00	100.00
Both Parents Native	15,270	7,926	7,324	20	45.73	46.01	45.47	33.90
Both Parents Foreign	11,557	5,936	5,600	21	34.61	34.46	34.76	35.59
Foreign Father and Native Mother	3,635	1,861	1,770	4	10.88	10.80	10.99	6.78
Foreign Mother and Native Father	1,948	1,011	935	2	5.83	5.87	5.80	3.39
Unknown Mother, Father Native	174	91	83	.....	.52	.53	.52	.....
Unknown Mother, Father Foreign	121	55	65	1	.36	.32	.40	1.69
Unknown Father, Mother Native	193	103	89	1	.58	.60	.55	1.69
Unknown Father, Mother Foreign	94	48	46	.....	.28	.28	.29	.....
Both Unknown	403	196	197	10	1.21	1.14	1.22	16.95
One or Both Native	21,220	10,992	10,201	27	63.54	63.81	66.32	45.76
One or Both Foreign	17,355	8,911	8,416	28	51.97	51.73	52.24	47.46

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	Color,—Children Born in 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Ionia	111	Total	.....	28,376	2.24	635	634	.....	1	.....	.....
		Males	52.69	14,788	2.25	333	333	.....	.....	.....	.....
		Females	47.31	13,588	2.20	299	298	.....	1	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Iosco	115	Total	.....	4,575	2.78	127	127	.....	.....	.....	.....
		Males	53.54	2,706	2.51	68	68	.....	.....	.....	.....
		Females	46.46	1,869	3.16	59	59	.....	.....	.....	.....
Isabella	121	Total	.....	6,059	4.39	266	245	.....	3	17	1
		Males	54.72	3,273	4.43	145	132	.....	3	10	.....
		Females	45.28	2,786	4.31	120	113	.....	.....	7	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Isle Royal.[b]	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	101	Total	.....	37,988	2.03	771	764	7	.....	.....	.....
		Males	50.32	19,853	1.95	388	384	[c] 4	.....	.....	.....
		Females	49.68	18,135	2.11	383	380	3	.....	.....	.....
Kalamazoo	109	Total	.....	32,284	1.89	611	602	9	.....	.....	.....
		Males	52.21	16,583	1.92	319	313	[d] 6	.....	.....	.....
		Females	47.79	15,701	1.86	292	289	[e] 3	.....	.....	.....
Kalkaska	81	Total	.....	1,259	3.73	47	46	.....	.....	1	.....
		Males	44.68	692	3.03	21	21	.....	.....	.....	.....
		Females	55.32	567	4.58	26	25	.....	.....	1	.....
Kent	104	Total	.....	62,671	2.70	1,689	1,675	5	7	.....	2
		Males	51.04	32,576	2.64	859	851	3	5	.....	.....
		Females	48.96	30,095	2.74	824	820	2	2	.....	.....
		Unknown	.....	.....	.....	6	4	.....	.....	.....	2
Keweenaw	114	Total	.....	5,411	5.49	297	297	.....	.....	.....	.....
		Males	53.38	3,233	4.89	158	158	.....	.....	.....	.....
		Females	46.62	2,178	6.34	138	138	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Lake	138	Total	.....	1,813	3.81	69	68	.....	.....	1	.....
		Males	57.97	1,015	3.94	40	40	.....	.....	.....	.....
		Females	42.03	798	3.63	29	28	.....	.....	1	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] No returns from county clerk.
[c] Includes 1 "Copper Colored."
[d] Includes 4 "Colored."
[e] Includes 2 "Colored."

TABLE VIII.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children Born during the Year 1877, and the Parent-Nativity of such Children, so far as stated in the Returns. (Still-births included.)*

State and Counties.	Sex.	Children Born, 1877.	Nativity of Parents of Children Born,—1877.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State[b]	Total	33,395	15,270	11,557	3,635	1,948	174	121	193	94	403
	Males	17,227	7,926	5,936	1,861	1,011	91	[c] 55	103	48	[d] 196
	Females	16,109	7,324	5,600	1,770	935	83	[e] 65	89	46	[f] 197
	Unknown	59	20	21	4	2	.....	1	1	.....	10
Alcona	Total	44	11	20	7	4	.....	.....	1	1	.....
	Males	29	7	13	4	4	.....	.....	1	.....	.....
	Females	15	4	7	3	.....	.....	.....	.....	1	.....
Allegan	Total	773	422	196	92	44	15	.....	3	.....	1
	Males	404	211	110	54	23	6	.....	.....	.....	.....
	Females	369	211	86	38	21	9	.....	3	.....	1
Alpena	Total	160	27	100	18	13	.....	.....	1	.....	1
	Males	86	17	51	11	7	.....	.....	.....	.....	.....
	Females	74	10	49	7	6	.....	.....	1	.....	1
Antrim	Total	126	53	35	19	13	1	.....	.....	.....	5
	Males	68	32	19	8	7	.....	.....	.....	.....	2
	Females	58	21	16	11	6	1	.....	.....	.....	3
Baraga	Total	57	9	27	4	3	.....	1	.....	.....	13
	Males	27	3	15	3	2	.....	.....	.....	.....	4
	Females	30	6	12	1	1	.....	[g] 1	.....	.....	9
Barry	Total	547	421	50	47	18	.....	2	5	.....	4
	Males	294	231	26	20	10	.....	.....	4	.....	3
	Females	252	189	24	27	8	.....	2	1	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Bay	Total	893	209	468	135	74	2	3	.....	.....	2
	Males	466	105	253	66	40	.....	2	.....	.....	.....
	Females	427	104	215	69	34	2	1	.....	.....	2
Benzie	Total	82	48	16	12	6	.....	.....	.....	.....	.....
	Males	44	29	7	5	3	.....	.....	.....	.....	.....
	Females	38	19	9	7	3	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For counties and townships not represented by returns of births, see Table XXI.
[c] Includes 2, mother "America."
[d] Includes 7, "America," and 1, mother "America."
[e] Includes 4, mother "America."
[f] Includes 11, "America,"
[g] Mother "America."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Menominee[a]	116	Total	.....	3,248	2.06	67	67	.....	.....	.....	.....
		Males	53.73	2,054	1.75	36	36	.....	.....	.....	.....
		Females	46.27	1,194	2.60	31	31	.....	.....	.....	.....
Midland	104	Total	.....	4,765	2.14	102	102	.....	.....	.....	.....
		Males	56.98	2,593	2.01	52	52	.....	.....	.....	.....
		Females	49.02	2,172	2.30	50	50	.....	.....	.....	.....
Missaukee	62	Total	.....	606	5.61	34	34	.....	.....	.....	.....
		Males	38.24	395	3.29	13	13	.....	.....	.....	.....
		Females	61.76	211	9.95	21	21	.....	.....	.....	.....
Monroe	102	Total	.....	30,111	2.30	692	691	1	.....	.....	.....
		Males	50.43	15,302	2.28	349	348	1	.....	.....	.....
		Females	49.57	14,809	2.32	343	343	.....	.....	.....	.....
Montcalm	97	Total	.....	20,815	2.20	458	453	.....	1	.....	4
		Males	49.23	11,311	1.99	225	222	.....	1	.....	2
		Females	50.77	9,504	2.44	232	230	.....	.....	.....	2
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Muskegon	107	Total	.....	19,375	2.01	389	389	.....	.....	.....	.....
		Males	51.80	10,761	1.87	201	201	.....	.....	.....	.....
		Females	48.20	8,614	2.17	187	187	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Newaygo	118	Total	.....	8,758	2.81	246	246	.....	.....	.....	.....
		Males	54.07	4,879	2.73	133	133	.....	.....	.....	.....
		Females	45 93	3,879	2.91	113	113	.....	.....	.....	.....
Oakland	94	Total	.....	38,082	1.68	640	637	2	1	.....	.....
		Males	48.42	19,446	1.58	307	306	1	.....	.....	.....
		Females	51.58	18,636	1.75	327	325	1	1	.....	.....
		Unknown	.....	.....	.....	6	6	.....	.....	.....	.....
Oceana	98	Total	.....	8,360	2.79	233	233	.....	.....	.....	.....
		Males	49.57	4,581	2.51	115	115	.....	.....	.....	.....
		Females	50.43	3,779	3.10	117	117	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ogemaw[b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon	118	Total	.....	2,406	3.08	74	71	.....	1	2	.....
		Males	54.05	1,276	3.13	40	39	.....	.....	[c] 1	.....
		Females	45.95	1,130	3.01	34	32	.....	1	[c] 1	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] County clerk says no returns of births from supervisors for 1877.
[c] "Half-breed."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1877.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1877. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Osceola	107	Total	.....	6,216	4.39	273	273	.....	.....	.....	.....
		Males	51.65	3,491	4.04	141	141	.....	.....	.....	.....
		Females	48.35	2,725	4.84	132	132	.....	.....	.....	.....
Otsego	57	Total	.....	238	4.62	11	11	.....	.....	.....	.....
		Males	36.36	162	2.47	4	4	.....	.....	.....	.....
		Females	63.64	76	9.21	7	7	.....	.....	.....	.....
Ottawa	117	Total	.....	29,929	3.16	947	937	3	1	.....	6
		Males	53.92	15,789	3.22	509	502	3	.....	.....	4
		Females	46.08	14,140	3.08	435	433	.....	1	.....	1
		Unknown	.....	.....	.....	3	2	.....	.....	.....	1
Presque Isle.[a]	83	Total	.....	896	8.15	73	73	.....	.....	.....	.....
		Males	45.21	483	6.83	33	33	.....	.....	.....	.....
		Females	54.79	413	9.69	40	40	.....	.....	.....	.....
Roscommon.	150	Total	.....	276	1.81	5	5	.....	.....	.....	.....
		Males	60.00	187	1.60	3	3	.....	.....	.....	.....
		Females	40.00	89	2.25	2	2	.....	.....	.....	.....
Saginaw	90	Total	.....	48,409	2.85	1,378	1,364	2	4	8	.....
		Males	47.49	25,968	2.51	653	647	.....	2	[b] 4	.....
		Females	52.51	22,441	3.22	722	714	2	2	4	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....
Sanilac	104	Total	.....	16,292	3.07	500	500	.....	.....	.....	.....
		Males	51.00	8,652	2.95	255	255	.....	.....	.....	.....
		Females	49.00	7,640	3.21	245	245	.....	.....	.....	.....
Schoolcraft[a]	160	Total	.....	301	4.32	13	13	.....	.....	.....	.....
		Males	61.54	195	4.10	8	8	.....	.....	.....	.....
		Females	38.46	106	4.72	5	5	.....	.....	.....	.....
Shiawassee.	100	Total	.....	21,773	2.22	484	484	.....	.....	.....	.....
		Males	50.00	11,265	2.15	242	242	.....	.....	.....	.....
		Females	50.00	10,508	2.30	242	242	.....	.....	.....	.....
St. Clair	97	Total	.....	40,688	2.58	1,050	872	.....	.....	.....	178
		Males	49.19	21,181	2.43	515	420	.....	.....	.....	95
		Females	50.81	19,507	2.73	532	452	.....	.....	.....	80
		Unknown	.....	.....	.....	3	.....	.....	.....	.....	3

[a] For townships from which no returns of births were received, see Table XXI.
[b] Includes 1 "Half-breed."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1877.	NATIVITY OF PARENTS OF CHILDREN BORN,—1877.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Ionia	Total	635	438	78	71	39	3	1	3	1	1
	Males	333	232	41	34	20	2	1	1	1	1
	Females	299	205	37	36	19	1	.....	1	.....	.....
	Unknown	3	1	.....	1	.....	.....	.....	1	.....	.....
Iosco	Total	127	26	78	17	6	.....	.....	.....	.....	.....
	Males	68	18	39	7	4	.....	.....	.....	.....	.....
	Females	59	8	39	10	2	.....	.....	.....	.....	.....
Isabella	Total	266	168	49	28	17	.....	1	2	.....	1
	Males	145	89	26	18	9	.....	1	2	.....	.....
	Females	120	79	23	10	8	.....	.....	.....	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Isle Royal	[b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Total	771	514	124	69	52	3	1	1	1	6
	Males	388	246	72	34	32	1	1	.....	1	1
	Females	383	268	52	35	20	2	.....	1	.....	5
Kalamazoo	Total	611	382	125	65	18	2	.....	6	1	12
	Males	319	213	54	36	6	1	.....	2	1	6
	Females	292	169	71	29	12	1	.....	4	.....	6
Kalkaska	Total	47	24	11	4	5	1	.....	2	.....	.....
	Males	21	11	4	3	2	1	.....	.....	.....	.....
	Females	26	13	7	1	3	.....	.....	2	.....	.....
Kent	Total	1,689	750	612	168	94	6	19	12	5	23
	Males	859	394	298	92	50	3	5	6	3	[c] 8
	Females	824	354	311	76	44	3	14	6	2	14
	Unknown	6	2	3	.....	.....	.....	.....	.....	.....	1
Keweenaw	Total	297	8	242	34	2	.....	9	.....	.....	2
	Males	158	6	122	22	1	.....	5	.....	.....	2
	Females	138	2	120	12	1	.....	3	.....	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Lake	Total	69	42	12	9	4	.....	.....	.....	.....	2
	Males	40	24	4	7	3	.....	.....	.....	.....	2
	Females	29	18	8	2	1	.....	.....	.....	.....	.....
Lapeer	Total	612	263	181	100	55	7	1	2	.....	3
	Males	310	132	93	49	28	4	1	1	.....	2
	Females	301	131	88	51	27	3	.....	1	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] *No returns* from county clerk. [c] Includes 1 "America" and 1 mother "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1877.	NATIVITY OF PARENTS OF CHILDREN BORN.—1877.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Native.	MOTHER UNK. Father. Foreign.	FATHER UNK. Mother. Native.	FATHER UNK. Mother. Foreign.	Both Unknown.
Leelanaw	Total	163	51	73	23	11	.....	.....	4	.....	1
	Males	90	26	40	14	6	.....	.....	3	.....	1
	Females	73	25	33	9	5	.....	.....	1	.....	.....
Lenawee	Total	813	562	132	59	41	8	3	2	1	5
	Males	443	304	71	34	23	7	1	.....	1	2
	Females	370	258	61	25	18	1	2	2	.....	3
Livingston	Total	400	292	41	37	26	2	.....	1	.....	1
	Males	225	165	26	17	15	1	.....	1	.....	.....
	Females	175	127	15	20	11	1	.....	.....	.....	1
Mackinac[b]	Total	55	37	5	7	2	.....	.....	2	.....	2
	Males	33	25	2	4	.....	.....	.....	1	.....	1
	Females	21	11	3	3	2	.....	.....	1	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Macomb	Total	701	297	251	110	39	.....	1	3	.....	.....
	Males	373	152	126	68	25	.....	.....	2	.....	.....
	Females	328	145	125	42	14	.....	1	1	.....	.....
Manistee	Total	378	72	244	40	15	.....	.....	.....	4	3
	Males	182	42	116	17	3	.....	.....	.....	2	2
	Females	196	30	128	23	12	.....	.....	.....	2	1
Manitou[b]	Total	34	2	25	3	2	1	.....	.....	.....	1
	Males	21	1	15	2	1	1	.....	.....	.....	1
	Females	13	1	10	1	1	.....	.....	.....	.....	.....
Marquette	Total	698	58	567	52	15	.....	.....	2	1	3
	Males	373	35	298	28	8	.....	.....	2	1	1
	Females	325	23	269	24	7	.....	.....	.....	.....	2
Mason	Total	148	55	46	16	13	5	2	1	.....	10
	Males	82	32	27	9	5	4	.....	.....	.....	5
	Females	65	23	18	7	8	1	2	1	.....	5
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Mecosta	Total	271	142	76	26	23	.....	2	.....	.....	2
	Males	150	83	39	15	11	.....	1	.....	.....	1
	Females	121	59	37	11	12	.....	1	.....	.....	1
Menominee[b]	Total	67	10	42	7	5	.....	1	.....	.....	2
	Males	36	4	23	5	4	.....	.....	.....	.....	.....
	Females	31	6	19	2	1	.....	1	.....	.....	2

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For townships not represented by returns of births, see Table XXI.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1877.	NATIVITY OF PARENTS OF CHILDREN BORN,—1877.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Midland	Total	102	55	23	15	7	.....	.....	2	.....	.....
	Males	52	22	14	10	5	.....	.....	1	.....	.....
	Females	50	33	9	5	2	.....	.....	1	.....	.....
Missaukee	Total	34	9	18	3	2	2	.....	.....	.....	.....
	Males	13	2	7	3	.....	1	.....	.....	.....	.....
	Females	21	7	11	.....	2	1	.....	.....	.....	.....
Monroe	Total	692	450	142	63	32	.....	1	2	1	1
	Males	349	228	70	34	15	.....	1	1	.....	.....
	Females	343	222	72	29	17	.....	.....	1	1	1
Montcalm	Total	458	286	87	48	32	1	1	2	.....	1
	Males	225	144	44	22	13	.....	1	1	.....	.....
	Females	232	141	43	26	19	1	.....	1	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Muskegon	Total	389	121	195	50	17	.....	3	.....	1	2
	Males	201	60	97	32	9	.....	2	.....	1	.....
	Females	187	61	97	18	8	.....	[b] 1	.....	.....	[c] 2
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Newaygo	Total	246	144	40	38	16	3	.....	2	.....	3
	Males	133	77	27	18	6	2	.....	1	.....	2
	Females	113	67	13	20	10	1	.....	1	.....	1
Oakland	Total	640	404	98	62	60	10	1	3	.....	2
	Males	307	191	45	31	32	6	.....	1	.....	1
	Females	327	209	52	31	28	4	1	2	.....	.....
	Unknown	6	4	1	.....	.....	.....	.....	.....	.....	1
Oceana	Total	233	160	32	16	15	4	1	2	1	2
	Males	115	81	17	7	4	2	1	1	1	1
	Females	117	78	15	9	11	2	.....	1	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Ogemaw [d]		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon	Total	74	9	42	16	5	.....	.....	1	1	.....
	Males	40	6	21	9	4	.....	.....	.....	.....	.....
	Females	34	3	21	7	1	.....	.....	1	1	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Mother "America."
[c] "America."
[d] County clerk says no returns of births from supervisors for 1877.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1877.	NATIVITY OF PARENTS OF CHILDREN BORN,—1877.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Native.	MOTHER UNK. Father. Foreign.	FATHER UNK. Mother. Native.	FATHER UNK. Mother. Foreign.	Both Unknown.
Osceola	Total	273	139	87	24	22	.....	.....	.....	1	.....
	Males	141	72	44	11	13	.....	.....	.....	1	.....
	Females	132	67	43	13	9	.....	.....	.....	.....	.....
Otsego[b]	Total	11	5	6	.....	.....	.....	.....	.....	.....	.....
	Males	4	3	1	.....	.....	.....	.....	.....	.....	.....
	Females	7	2	5	.....	.....	.....	.....	.....	.....	.....
Ottawa	Total	947	307	469	108	42	1	7	1	1	11
	Males	509	163	254	56	22	1	6	1	.....	[c] 6
	Females	435	144	213	52	19	.....	1	.....	1	[d] 5
	Unknown	3	.....	2	.....	1	.....	.....	.....	.....	.....
Presque Isle[b]	Total	73	4	61	4	1	.....	3	.....	.....	.....
	Males	33	2	27	3	1	.....	.....	.....	.....	.....
	Females	40	2	34	1	.....	.....	3	.....	.....	.....
Roscommon[b]	Total	5	2	.....	3	.....	.....	.....	.....	.....	.....
	Males	3	1	.....	2	.....	.....	.....	.....	.....	.....
	Females	2	1	.....	1	.....	.....	.....	.....	.....	.....
Saginaw	Total	1,378	424	619	208	93	5	3	5	.....	21
	Males	653	194	296	96	52	2	.....	3	.....	10
	Females	722	229	323	112	41	3	3	2	.....	9
	Unknown	3	1	.....	.....	.....	.....	.....	.....	.....	2
Sanilac	Total	500	51	326	67	47	.....	2	4	2	1
	Males	255	24	171	27	27	.....	2	3	1	.....
	Females	245	27	155	40	20	.....	.....	1	1	1
Schoolcraft[b]	Total	13	6	7	.....	.....	.....	.....	.....	.....	.....
	Males	8	3	5	.....	.....	.....	.....	.....	.....	.....
	Females	5	3	2	.....	.....	.....	.....	.....	.....	.....
Shiawassee	Total	484	345	62	51	22	1	.....	2	.....	1
	Males	242	182	30	17	13	.....	.....	.....	.....	.....
	Females	242	163	32	34	9	1	.....	2	.....	1
St. Clair	Total	1,050	244	483	168	105	13	13	7	4	13
	Males	515	124	242	75	52	7	4	3	2	6
	Females	532	118	240	93	53	6	9	4	2	7
	Unknown	3	2	1	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For townships not represented by returns of births, see Table XXI.
[c] 3 males "America."
[d] "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1877.	NATIVITY OF PARENTS OF CHILDREN BORN,—1877.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native ather.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
							Na-tive.	For-eign.	Na-tive.	For-eign.	
St. Joseph	Total	438	332	75	24	6	------	------	1	------	------
	Males	224	171	36	15	1	------	------	1	------	------
	Females	214	161	39	9	5	------	------	------	------	------
Tuscola	Total	533	237	149	82	62	------	------	2	------	1
	Males	278	124	75	47	30	------	------	1	------	1
	Females	255	113	74	35	32	------	------	1	------	------
Van Buren	Total	514	396	40	43	32	1	1	1	------	------
	Males	274	209	25	21	17	1	------	1	------	------
	Females	240	187	15	22	15	------	1	------	------	------
Washtenaw	Total	647	299	181	86	26	24	15	8	1	7
	Males	326	157	92	37	11	11	[b] 10	5	1	[c] 3
	Females	321	142	89	49	15	13	[d] 5	3	------	[e] 5
Wayne	Total	4,736	1,303	2,427	493	246	10	8	36	53	160
	Males	2,563	717	1,291	274	140	4	3	21	28	[f] 85
	Females	2,165	586	1,133	218	105	6	[d] 5	15	25	[g] 72
	Unknown	8	------	3	1	1	------	------	------	------	3
Wexford[h]	Total	111	59	29	17	5	------		------	------	------
	Males	46	23	11	11	1	------	------	------	------	------
	Females	65	36	18	6	4	------	1	------	------	------

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 2 males, mother "America."
[c] Includes 1 male "America."
[d] Includes 1 female, mother "America."
[e] Includes 1 female "America."
[f] Includes 2 males "America."
[g] Includes 3 females "America."
[h] For townships not represented by returns of births, see Table XXI.

TWIN CHILDREN.

In the year 1877, according to the returns, 367 pairs of twins were born in Michigan,—115 pairs of males, 115 pairs of females, 136 pairs of one of each sex, and 1 pair of unknown sex.

Table IX. shows, by sex, the number of pairs, the number of twin children, and the proportion of the sexes, by months arranged in order, those first in which were born the greatest number of pairs of twins.

TABLE IX.—*Exhibiting, by Sex, the Number of Pairs, and the Number of Twin Children Returned as having been Born in Michigan during the Year 1877, by Months Arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.*

	Year and Months, 1877.	Number of Twin Children, 1877.					Number of Pairs of Twins, 1877.						
		Total.	Males.	Females.	Unkno'n.	Males to 100 Females.	Total.	Males.	Females.	One of each Sex.	Unkno'n.	Males to 100 One of each Sex.	Males to 100 Females.
	Year, 1877	734	366	366	2	100	367	115	115	136	1	84	100
More than the Av. No. of Twins.	July	90	43	47	.....	91	45	13	15	17	.....	76	87
	December	76	42	32	2	131	38	13	8	16	1	81	163
	April	68	43	25	.....	172	34	15	6	13	.....	115	250
	September	66	30	36	.....	83	33	7	10	16	.....	44	70
	Average per month[a]	61.0	30.3	30.5	.02	100	30.5	9.5	9.6	11.3	.1	84	100
Less than the Av. No. of Twins.	March	60	23	37	.....	62	30	7	14	9	.....	78	50
	November	60	30	30	.....	100	30	8	8	14	.....	57	100
	May	56	28	28	.....	100	28	9	9	10	.....	90	100
	August	56	27	29	.....	93	28	7	8	13	.....	54	88
	October	56	26	30	.....	87	28	9	11	8	.....	113	82
	June	52	23	29	.....	79	26	8	11	7	.....	114	73
	January	46	26	20	.....	130	23	10	7	6	.....	167	143
	February	46	23	23	.....	100	23	8	8	7	.....	114	100
	Unknown	2	2	.....	.....	.....	1	1	.....	.....	.....	.....	.....

[a] Excluding 1 pair in unknown month.

Table X. shows, by parent-nativity and sex, the number of pairs of twins in 1877, and the per cent. of twins of each parent-nativity to total of all nativities. Of all the twins born in 1877, 45.50 per cent. were born of parents who were both native-born, and 34.33 per cent. were born of parents who were both foreign-born. These propositions are very similar to those shown in Table VII., preceding, for all children born.

TABLE X.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1877.*

NATIVITY OF PARENTS OF TWINS, 1877.	PAIRS OF TWINS, 1877.									
	NUMBER.					PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.				
	Total.	Males.	Females.	One of Each Sex.	Unkno'n.	Total.	Males.	Females.	One of Each Sex.	Unkno'n.
All Nativities	367	115	115	136	1	100.00	100.00	100.00	100.00	100.00
Both Native	167	48	53	66	.....	45.50	41.74	46.09	48.53	.....
Both Foreign	126	41	35	50	.....	34.33	35.65	30.43	36.76	.....
Foreign Father and Native Mother	39	17	13	8	1	10.63	14.78	11.30	5.88	100.00
Foreign Mother and Native Father	22	6	7	9	.....	5.99	5.22	6.09	6.62	.....
Unknown Mother, Father Native	4	1	3	.....	.....	1.09	.87	2.61	.....	.....
Unknown Mother, Father Foreign	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Unknown Father, Mother Native	1	.....	1	.....	.....	.27	.....	.87	.....	.....
Unknown Father, Mother Foreign	2	.....	1	1	.....	.54	.....	.87	7.35	.....
Both Unknown	6	2	2	2	.....	1.63	1.74	1.74	1.47	.....
One or Both Native	233	72	77	83	1	63.49	62.61	66.96	61.03	100.00
One or Both Foreign	189	64	56	68	1	51.50	55.65	48.70	50.00	100.00

EXHIBIT 5.—*By Nativity and by Color of Mothers, the Number and Proportion of Twins Returned as having been Born in Michigan during the Years 1875 to 1877, inclusive.*

NATIVITY AND COLOR OF MOTHERS OF TWINS.	1875.			1876.			1877.		
	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and of all Nativities	370	31,586	1.17	428	33,791	1.27	367	33,028	1.11
All Native Mothers	174	17,510	.99	249	19,086	1.30	207	18,891	1.10
All Foreign Mothers	184	12,777	1.44	170	13,679	1.24	150	13,449	1.12
Mothers of Unknown Nativities	12	1,299	.92	9	1,026	.88	10	688	1.45
White	365	31,147	1.17	424	33,273	1.27	360	32,445	1.11
Black	1	112	.89	1	139	.72	1	101	.99
Mulatto	2	89	2.25	------	88	------	------	87	------
Indian	------	136	------	2	139	1.44	2	128	1.56
Unknown	2	102	1.96	1	152	.66	4	267	1.50
Black and Mulatto	3	201	1.49	1	227	.44	1	188	.53

TABLE XI.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1877,—distinguishing between Parents who were Natives of the same State and those Born in Different States or Countries.*

NATIVITY OF PARENTS OF TWINS, 1877.	PAIRS OF TWINS, 1877.									
	NUMBER.					PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.				
	Total.	Males.	Females.	One of Each Sex.	Unkno'n.	Total.	Males.	Females.	One of Each Sex.	Unkno'n.
All Nativities	367	115	115	136	1	100.00	100.00	100.00	100.00	100.00
Same American State or Foreign Country	202	60	61	81	------	55.04	52.17	53.04	59.56	------
Different American States or Foreign Countries	91	29	27	35	------	24.80	25.22	23.48	25.74	------
Foreign Father and Native Mother	39	17	13	8	1	10.63	14.78	11.30	5.88	100.00
Foreign Mother and Native Father	22	6	7	9	------	5.99	5.22	6.09	6.62	------
Unknown Mother, Father Native	4	1	3	------	------	1.09	.87	2.61	------	------
Unknown Mother, Father Foreign	------	------	------	------	------	------	------	------	------	------
Unknown Father, Mother Native	1	------	1	------	------	.27	------	.87	------	------
Unknown Father, Mother Foreign	2	------	1	1	------	.54	------	.87	.74	------
Both Unknown	6	2	2	2	------	1.63	1.74	1.74	1.47	------
Different States or Countries.*	152	52	47	52	1	41.42	45.22	40.87	38.24	100.00

* Includes "Different American States or Foreign Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father." Compare with "Same American State or Foreign Country," and with same lines in Table XV.,—for still-born children.

TABLE XII.—*Exhibiting, for the State and Counties, by Sex, the number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been Born in Michigan during the Year 1877. Nativity stated by Pairs of Twins.*

State and Counties.	Sex.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1877.[a] Native. Both Parents from same State.	Native. From Different States.	Foreign. Both from Same Country.	Foreign. From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State	Total	734	367	87	80	115	11	39	22	4	....	1	2	6
	Males	366	115	[b] 22	[c] 26	[d] 38	[e] 3	[f] 17	6	1	....	....	....	[f] 2
	Females	366	115	[h] 30	[i] 23	[j] 31	4	13	[j] 7	3	....	[g] 1	[e] 1	[k] 2
	One of each	.....	136	[l] 35	[m] 31	[n] 46	4	[o] 8	9	....	....	....	[p] 1	[q] 2
	Unknown	2	1	.....	.....	.....	.....	[r] 1	....	....	....	....	....	..
Alcona	Males	2	1	.....	.....	1	.....	....	....	....	....	....	....	..
Allegan	Total	12	6	1	1	2	.....	2	....	....	....	....	....	..
	Males	9	3	.....	.....	1	.....	2	....	....	....	....	....	..
	Females	3	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	1	1	1	.....	....	....	....	....	....	....	..
Alpena	Males	2	1	.....	.....	1	.....	....	....	....	....	....	....	..
Antrim	Total	6	3	1	1	1	.....	....	....	....	....	....	....	..
	Males	3	1	1	.....	.....	.....	....	....	....	....	....	....	..
	Females	3	1	.....	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	1	.....	....	....	....	....	....	....	..
Baraga	Total	4	2	.....	.....	1	.....	....	....	....	....	....	....	1
	Males	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	.....	1	.....	....	....	....	....	....	....	[e] 1
Barry	Total	16	8	4	2	.....	.....	2	....	....	....	....	....	..
	Males	6	1	1	.....	.....	.....	....	....	....	....	....	....	..
	Females	10	3	.....	1	.....	.....	2	....	....	....	....	....	..
	One of each	.....	4	[j] 3	[e] 1	.....	.....	....	....	....	....	....	....	..

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 3 pairs still-born, and 1 pair Indian. [c] Includes 1 pair and 2 males still-born.
[d] Includes 2 pairs and 1 male still-born, and 1 pair color unknown.
[e] Includes 1 pair still-born.
[f] Includes 1 pair still-born, and one pair color unknown.
[g] Includes 1 pair still-born, and 1 pair illegitimate.
[h] Includes 1 pair and 2 females still-born, and 1 pair Indian.
[i] Includes 2 females still-born. [j] Includes 1 female still-born.
[k] Includes 1 pair illegitimate, and 1 female still-born.
[l] Includes 2 pairs, 3 males, and 1 female, still-born.
[m] Includes 2 pairs and 2 females still-born, and 1 pair color unknown.
[n] Includes 4 pairs and 2 males still-born. [o] Includes 1 pair and 1 female still-born.
[p] Includes 1 pair illegitimate. [q] Includes 2 pairs still-born, and 1 pair black.
[r] Color unknown.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1877.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Bay	Total	22	11	1	.....	7	1	2	....	....	....	....	....	..
	Males	14	5	.....	.....	4	.....	1	....	....	....	....	....	..
	Females	8	2	.....	.....	.....	1	1	....	....	....	....	....	..
	One of each	.....	4	1	.....	3	.....	....	....	....	....	....	....	..
Benzie	Males	2	1	[b] 1	.....	.....	.....	....	....	....	....	....	....	..
Berrien	Total	20	10	2	4	2	.....	1	....	....	....	....	1	..
	Males	5	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	15	6	1	2	1	.....	1	....	....	....	....	[b] 1	..
	One of each	.....	3	1	2	.....	.....	....	....	....	....	....	....	..
Branch	Total	16	8	4	2	2	.....	....	....	....	....	....	....	..
	Males	11	4	2	2	.....	.....	....	....	....	....	....	....	..
	Females	5	1	.....	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	3	2	.....	1	.....	....	....	....	....	....	....	..
Calhoun	Total	8	4	.....	.....	2	2	....	....	....	....	....	....	..
	Males	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	6	2	.....	.....	.....	2	....	....	....	....	....	....	..
	One of each	.....	2	.....	.....	[c] 2	.....	....	....	....	....	....	....	..
Cass	Total	4	2	.....	1	1	.....	....	....	....	....	....	....	..
	Males	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	2	1	.....	.....	1	.....	....	....	....	....	....	....	..
Cheboygan	Total	4	2	1	.....	1	.....	....	....	....	....	....	....	..
	Males	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	2	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	[c] 1	.....	1	.....	....	....	....	....	....	....	..
Clinton	Total	6	3	.....	2	.....	.....	1	....	....	....	....	....	..
	Males	3	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	[d] 1	.....	.....	....	....	....	....	....	....	..
	Unknown	2	1	.....	.....	.....	.....	[e] 1	....	....	....	....	....	..
Delta	Males	2	1	.....	.....	1	.....	....	....	....	....	....	....	..

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair still-born.
[c] Includes one male still-born.
[d] Includes 1 female still-born.
[e] Color unknown.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1877.[a]										
				Native.		Foreign.				Mother Unk.		Father Unk.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Eaton	Total	8	4	2	1	.....	.....	....	....	1	....	....	....	..
	Males	3	1	1	1	.....	.....	....	....	....	....	....	....	..
	Females	5	2	.....	1	.....	.....	....	....	1	....	....	....	..
	One of each	.....	1	1	.....	.....	.....	....	....	....	....	....	....	..
Emmet	Males	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
Genesee	Total	16	8	2	4	.....	.....	1	1	....	....	....	....	..
	Males	10	4	.....	[b] 4	.....	.....	....	....	....	....	....	....	..
	Females	6	2	1	.....	.....	.....	1	....	....	....	....	....	..
	One of each	.....	2	1	.....	.....	.....	....	1	....	....	....	....	..
Grand Traverse	Total	6	3	2	1	.....	.....	....	....	....	....	....	....	..
	Males	2	1	1	.....	.....	.....	....	....	....	....	....	....	..
	Females	4	2	1	[c] 1	.....	.....	....	....	....	....	....	....	..
Gratiot	Total	6	3	1	2	.....	.....	....	....	....	....	....	....	..
	Males	3	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	3	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Hillsdale	Total	6	3	.....	1	.....	.....	....	1	....	....	....	....	1
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	5	2	.....	1	.....	.....	....	....	....	....	....	....	1
	One of each	.....	1	.....	.....	.....	.....	....	1	....	....	....	....	..
Houghton	Total	14	7	1	.....	5	.....	1	....	....	....	....	....	..
	Males	6	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	8	2	1	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	4	.....	.....	3	.....	1	....	....	....	....	....	..
Huron	Total	6	3	.....	.....	1	1	....	1	....	....	....	....	..
	Males	4	2	.....	.....	1	[d] 1	....	....	....	....	....	....	..
	Females	2	1	.....	.....	.....	.....	....	[c] 1	....	....	....	....	..
Ingham	Total	12	6	2	2	.....	.....	2	....	....	....	....	....	..
	Males	8	3	[d] 1	1	.....	.....	1	....	....	....	....	....	..
	Females	4	1	.....	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	1	.....	.....	.....	1	....	....	....	....	....	..

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair and 1 male still-born.
[c] Includes 1 female still-born.
[d] Includes 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY ON PARENTS OF TWINS, 1877.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Ionia	Total	10	5	2	1	.....	1	1	....	....	....	....	....	..
	Males	2	1	.....	.....	.....	1	....	....	....	....	....	....	..
	Females	8	4	[b] 2	1	.....	.....	1	....	....	....	....	....	..
Iosco	Total	8	4	.....	1	2	1	....	....	....	....	....	....	..
	Males	4	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	4	1	.....	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	.....	1	1	....	....	....	....	....	....	..
Isabella	Total	10	5	2	2	.....	.....	....	1	....	....	....	....	..
	Males	4	2	1	1	.....	.....	....	....	....	....	....	....	..
	Females	6	3	[c] 1	1	.....	.....	....	1	....	....	....	....	..
Jackson	Total	20	10	5	2	2	.....	....	1	....	....	....	....	..
	Males	11	3	1	1	.....	.....	....	1	....	....	....	....	..
	Females	9	2	1	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	5	3	1	1	.....	....	....	....	....	....	....	..
Kalamazoo	Total	22	11	6	1	2	.....	1	1	....	....	....	....	..
	Males	9	2	.....	[d] 1	1	.....	....	....	....	....	....	....	..
	Females	13	4	2	.....	1	.....	....	1	....	....	....	....	..
	One of each	.....	5	[e] 4	.....	.....	.....	1	....	....	....	....	....	..
Kalkaska	Total	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Kent	Total	34	17	2	6	4	.....	1	3	....	....	1	....	..
	Males	14	2	1	.....	.....	.....	....	1	....	....	....	....	..
	Females	20	5	.....	2	1	.....	....	1	....	....	[f] 1	....	..
	One of each	.....	10	1	4	[g] 3	.....	[g] 1	1	....	....	....	....	..
Lake	Males	2	1	.....	1	.....	.....	....	....	....	....	....	....	..
Lapeer	Total	12	6	5	.....	1	.....	....	....	....	....	....	....	..
	Males	6	2	2	.....	.....	.....	....	....	....	....	....	....	..
	Females	6	2	2	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	1	.....	1	.....	....	....	....	....	....	....	..

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 female still-born.
[c] Includes 1 pair Indian.
[d] Includes 1 male still-born.
[e] Includes 1 pair and 1 male still-born.
[f] Includes 1 pair illegitimate, still-born.
[g] Includes 1 pair still-born.

TABLE XII.—Continued.—*Parent-Nativity of Twins.*

Counties.	Sex.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1877.[a]										
				Native.		Foreign.				Mother Unk.		Father Unk.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Leelanaw	Total	8	4	2	------	2	------	----	----	----	----	----	----	--
	Males	5	1	[b] 1	------	------	------	----	----	----	----	----	----	--
	Females	3	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	3	1	------	2	------	----	----	----	----	----	----	--
Lenawee	Total	28	14	3	4	2	------	3	1	1	----	----	----	--
	Males	18	6	2	1	------	------	2	----	1	----	----	----	--
	Females	10	2	------	[c] 1	1	------	----	----	----	----	----	----	--
	One of each	------	6	1	2	1	------	[e] 1	1	----	----	----	----	--
Livingston	Total	6	3	------	2	------	------	----	1	----	----	----	----	--
	Males	4	1	------	------	------	------	----	1	----	----	----	----	--
	Females	2	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	2	------	2	------	------	----	----	----	----	----	----	--
Macomb	Total	14	7	3	1	1	1	1	----	----	----	----	----	--
	Males	4	2	------	------	[d] 1	------	1	----	----	----	----	----	--
	Females	10	5	[c] 3	1	------	1	----	----	----	----	----	----	--
Manistee	Total	8	4	1	1	2	------	----	----	----	----	----	----	--
	Males	4	1	------	1	------	------	----	----	----	----	----	----	--
	Females	4	1	------	------	1	------	----	----	----	----	----	----	--
	One of each	------	2	[e] 1	------	1	------	----	----	----	----	----	----	--
Marquette	Total	24	12	------	------	9	1	1	1	----	----	----	----	--
	Males	17	6	------	------	[e] 5	------	1	----	----	----	----	----	--
	Females	7	1	------	------	1	------	----	----	----	----	----	----	--
	One of each	------	5	------	------	3	1	----	1	----	----	----	----	--
Mecosta	Total	4	2	1	------	------	------	----	1	----	----	----	----	--
	Males	2	1	------	------	------	------	----	1	----	----	----	----	--
	Females	2	1	1	------	------	------	----	----	----	----	----	----	--
Menominee	Total	2	1	------	------	1	------	----	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	1	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair Indian.
[c] Includes 1 female still-born.
[d] Includes 1 male still-born.
[e] Includes 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1877.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Midland	Total	4	2	.....	1	.....	.....	1	....	....	....	....	....	..
	Males	3	1	.....	.....	.....	.....	1	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Monroe	Total	14	7	2	1	4	.....	....	....	....	....	....	....	..
	Males	8	2	.....	.....	2	.....	....	....	....	....	....	....	..
	Females	6	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	4	1	1	2	.....	....	....	....	....	....	....	..
Montcalm	Total	14	7	.....	3	2	.....	1	1	....	....	....	....	..
	Males	5	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	9	2	.....	1	.....	.....	1	....	....	....	....	....	..
	One of each	.....	5	.....	2	2	.....	....	1	....	....	....	....	..
Muskegon	Total	10	5	.....	1	3	.....	1	....	....	....	....	....	..
	Males	6	2	.....	1	1	.....	....	....	....	....	....	....	..
	Females	4	1	.....	.....	1	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	.....	1	.....	1	....	....	....	....	....	..
Oakland	Total	14	7	1	4	.....	.....	1	....	1	....	....	....	..
	Males	8	4	1	2	.....	.....	1	....	....	....	....	....	..
	Females	6	3	.....	2	.....	.....	....	....	1	....	....	....	..
Oceana	Total	10	5	1	3	1	.....	....	....	....	....	....	....	..
	Males	5	1	.....	.....	[b] 1	.....	....	....	....	....	....	....	..
	Females	5	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	.....	3	.....	.....	....	....	....	....	....	....	..
Osceola	Total	6	3	.....	1	1	.....	1	....	....	....	....	....	..
	Males	4	2	.....	1	1	.....	....	....	....	....	....	....	..
	Females	2	1	.....	.....	.....	.....	1	....	....	....	....	....	..
Ottawa	Total	18	9	2	.....	7	.....	....	....	....	....	....	....	..
	Males	7	2	.....	.....	2	.....	....	....	....	....	....	....	..
	Females	11	4	1	.....	3	.....	....	....	....	....	....	....	..
	One of each	.....	3	1	.....	2	.....	....	....	....	....	....	....	..

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair still-born.

TABLE XII.—Continued.—*Parent-Nativity of Twins.*

Counties.	Sex.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1877.[a]										
				Native.		Foreign.				Mother Unk.		Father Unk.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Roscommon	Total	2	1	----	----	----	----	1	----	----	----	----	----	----
	Males	1	----	----	----	----	----	----	----	----	----	----	----	----
	Females	1	----	----	----	----	----	----	----	----	----	----	----	----
	One of each	----	1	----	----	----	----	1	----	----	----	----	----	----
Saginaw	Total	34	17	3	2	5	----	5	2	----	----	----	----	----
	Males	12	4	----	----	1	----	3	----	----	----	----	----	----
	Females	22	9	2	1	2	----	2	2	----	----	----	----	----
	One of each	----	4	1	1	[b] 2	----	----	----	----	----	----	----	----
Sanilac	Total	8	4	----	----	3	----	----	1	----	----	----	----	----
	Males	5	1	----	----	1	----	----	----	----	----	----	----	----
	Females	3	----	----	----	----	----	----	----	----	----	----	----	----
	One of each	----	3	----	----	[b] 2	----	----	1	----	----	----	----	----
Shiawassee	Total	18	9	1	4	2	----	----	2	----	----	----	----	----
	Males	13	5	----	2	2	----	----	1	----	----	----	----	----
	Females	5	1	----	1	----	----	----	----	----	----	----	----	----
	One of each	----	3	1	1	----	----	----	1	----	----	----	----	----
St. Clair	Total	24	12	4	1	2	----	3	----	----	----	----	----	2
	Males	14	5	----	1	[c] 1	----	[b] 2	----	----	----	----	----	[b c] 1
	Females	10	3	[b] 2	----	----	----	----	----	----	----	----	----	[d] 1
	One of each	----	4	[e] 2	----	1	----	1	----	----	----	----	----	----
St. Joseph	Total	18	9	4	2	[f] 3	----	----	----	----	----	----	----	----
	Males	4	1	----	1	----	----	----	----	----	----	----	----	----
	Females	14	6	3	----	3	----	----	----	----	----	----	----	----
	One of each	----	2	1	1	----	----	----	----	----	----	----	----	----
Tuscola	Total	18	9	4	1	2	----	1	1	----	----	----	----	----
	Males	10	4	3	----	----	----	1	----	----	----	----	----	----
	Females	8	3	1	----	2	----	----	----	----	----	----	----	----
	One of each	----	2	----	[f] 1	----	----	----	1	----	----	----	----	----

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair still-born.
[c] Includes 1 pair color unknown.
[d] Includes 1 pair illegitimate, the female still-born.
[e] Includes 1 male still-born.
[f] Includes 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1877.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Van Buren	Total	8	4	2	2	------	------	----	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	7	3	1	2	------	------	----	----	----	----	----	----	--
	One of each	------	1	1	------	------	------	----	----	----	----	----	----	--
Washtenaw	Total	18	9	2	3	2	------	1	----	1	----	----	----	--
	Males	7	2	[b] 1	------	1	------	----	----	----	----	----	----	--
	Females	11	4	1	------	1	------	1	----	1	----	----	----	--
	One of each	------	3	------	[c] 3	------	------	----	----	----	----	----	----	--
Wayne	Total	74	37	3	1	22	3	3	2	----	----	----	1	2
	Males	36	11	1	------	6	1	1	1	----	----	----	----	[d] 1
	Females	38	12	------	------	[e] 9	------	2	1	----	----	----	---	--
	One of each	------	14	2	[b] 1	[b f] 7	2	----	----	----	----	----	[d] 1	[g] 1
Wexford	Total	6	3	1	2	------	------	----	----	—	----	----	----	--
	Males	3	1	------	1	------	------	----	----	----	----	----	----	--
	Females	3	1	------	1	------	------	----	----	----	----	----	----	--
	One of each	------	1	1	------	------	------	----	----	----	----	----	----	--

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] Includes 1 pair still-born.
[c] Includes 1 pair color unknown.
[d] Includes 1 pair illegitimate.
[e] Includes 1 female still-born.
[f] Includes 1 male still born.
[g] Includes 1 pair still-born—black.

[illegible]

[illegible] shows that [illegible] still-born children [illegible] This is the largest number ever returned. [illegible] all children born during the year. Exhibit 6 [illegible] number of still-born children and their relation [illegible] shows that 2.15 per cent. of all the children [illegible] and 2.11 per cent. of all the mothers in 1877 bore

By Exhibit 7 it may be seen that the proportion of foreign-born mothers who bore still-born children in 1877 was very much greater than of the native-born mothers; also, that the proportion of the Mulatto and of the Indian mothers who bore still-born children was much greater than of the Black or of the White mothers.

EXHIBIT 6.—*The Relation of Still-births to all Children Returned as having been Born in Michigan during the several Years 1872 to 1877, inclusive, and of the Mothers of Still-born to all Mothers Returned as having Borne Children during each of the Years 1872 to 1877, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL-BIRTHS.					
	1872.	1873.	1874.	1875.	1876.	1877.
All Children born	27,993	34,608	31,151	31,958	34,235	33,395
Still-born Children	[a] 301	[a] 348	464	629	646	720
Per Cent. of Still-born to Total	1.08	1.01	1.49	1.97	1.89	2.15
All Mothers	27,641	34,180	30,739	31,586	33,791	33,028
Mothers of Still-born Children	[a] 293	[a] 333	454	613	620	697
Per Cent. of Mothers of Still-born Children to All Mothers	1.06	.97	1.48	1.94	1.83	2.11

[a] As per returns of births.

EXHIBIT 7.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during each of the Years 1875 to 1877, inclusive, according to the Returns.*

NATIVITY AND COLOR OF MOTHERS.	1875.			1876.			1877.		
	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.
Mothers of all colors and all nativities	613	31,586	1.94	620	33,791	1.83	697	33,028	2.11
All native mothers	299	17,510	1.71	277	19,086	1.45	337	18,891	1.78
All foreign mothers	239	12,777	1.87	268	13,679	1.96	286	13,449	2.12
Mothers of unknown nativities	75	1,299	5.77	75	1,026	7.31	74	688	10.76
White	593	31,147	1.90	595	33,273	1.79	677	32,445	2.08
Black	3	112	2.68	7	139	5.04	1	101	.99
Mulatto	6	89	6.74	2	88	2.27	3	87	3.45
Indian	.....	136	.....	2	139	1.44	4	128	3.13
Unknown	11	102	10.78	14	152	9.21	12	267	4.49
White and Mulatto	9	201	4.48	9	227	3.96	4	188	2.13

EXHIBIT 11.—*Occupations of Fathers of Still-born Children in Michigan in 1877, according to the Returns.*

FATHERS.	CHILDREN.			FATHERS.	CHILDREN.		
OCCUPATIONS.	Males.	Females.	Unk.	OCCUPATIONS.	Males.	Females.	Unk.
Accountants	1	------	------	Livery-keepers	------	------	1
Artists	1	------	------	Lumbermen	1	2	------
Attorneys	1	------	------	Lumber Manufacturers	------	1	------
Baggagemen	1	------	------	Machinists	4	1	1
Bakers	1	1	------	Manufacturers	1	------	------
Barbers	1	------	------	Mechanics	2	4	------
Basket-makers	1	------	------	Merchants	11	3	------
Blacksmiths	8	5	------	Millers	2	1	------
Boiler-makers	------	1	------	Mill-hands	1	------	------
Book-keepers	2	------	------	Mill Men	------	1	------
Brewers	1	1	------	Mill-owners	------	1	------
Broom-makers	1	------	------	Mill-wrights	1	------	------
Butchers	5	2	------	Miners	13	12	3
Cabinet-makers	1	1	------	Ministers	3	2	------
Canal Supts.	------	1	------	Moulders	------	1	1
Carpenters	10	9	1	Painters	1	1	------
Cigar-makers	1	1	------	Peddlers	4	2	------
Cigar-manufacturers	1	------	------	Physicians	3	------	------
Clerks	6	------	------	Piano-makers	------	1	------
Coal-miners	1	1	------	Plasterers	------	1	------
Cooks	------	1	------	Plumbers	1	2	------
Coopers	------	2	1	Policemen	1	1	------
Comedians	1	1	------	Produce Merchants	------	1	------
Conductors	1	------	------	R. R. Employes	1	1	------
Confectioners	1	------	------	Retired Capitalists	1	------	------
Deputy Co. Clerks	1	------	------	Sailors	2	2	------
Ditchers	------	1	------	Saloon-keepers	3	3	------
Draymen	------	2	------	Salt-makers	2	------	------
Drovers	1	------	------	Saw-mill Filers	------	1	------
Druggists	------	1	1	Sawyers	2	------	------
Engineers	5	1	------	School Janitors	1	------	------
Farmers	175	115	8	Shoe-makers	4	3	------
Farm laborers	1	2	------	Sheriffs	1	------	------
Firemen	2	------	------	Students	------	1	------
Fishermen	------	------	1	Superintendents	1	------	------
Foremen	1	------	------	Tailors	2	2	------
Grain Merchant	------	1	------	Tanners	1	1	------
Grocers	2	------	------	Teachers	2	------	------
Hatters	1	------	------	Teamsters	7	2	1
Hotel-keepers	5	------	------	Tinsmiths	2	------	------
Hucksters	------	2	------	Tollgate-keepers	------	1	------
Insurance Agents	1	------	------	Traders	------	1	------
Jewelers	1	------	------	Trappers	------	1	------
Jewish Rabbi	1	------	------	Unknown	34	33	5
Joiners	------	1	------	Wagon-makers	1	1	------
Laborers	37	45	7	Wood-choppers	1	------	------
Liquor Dealers	1	------	------	Wood-turners	1	------	------

TABLE XIV.—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and by Months, the Number of Still-births in Michigan during the Year 1877, according to the Returns.*

SEX.	YEAR, 1877.	MONTHS, 1877.													NATIVITY OF PARENTS OF STILL-BIRTHS, 1877.														
															PARENTS BORN IN MICHIGAN.		NATIVE.			FOREIGN.					MOTHER UNK.		FATHER UNK.		
																									Father.		Mother.		
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Father.	Mother.	Total.	Same State.	Different States.	Total.	Same Country.	Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Total.....	[a] 720	36	49	74	36	52	58	56	73	46	72	68	95	5	136	200	274	163	111	266	243	23	67	24	3	5	8	4	69
Males.....	[b] 399	15	29	41	27	26	30	31	41	19	44	37	57	2	79	123	158	96	62	148	135	13	35	12	1	3	3	1	38
Females..	[c] 290	19	19	26	8	22	26	24	31	24	28	24	37	2	54	77	108	61	47	101	91	10	31	12	2	2	4	3	27
Unknown	[d] 31	2	1	7	1	4	2	1	1	3	----	7	1	1	3	------	8	6	2	17	17	----	1	----	----	----	1	----	4

[a] Includes 9 pairs and 3 half-pairs male twins, 3 pairs and 7 half-pairs female twins, 11 pairs twins one of each sex, 5 male twins, and 4 female twins.

[b] Includes 1 Black, 2 Mulatto, 2 Indian, and 1 unknown color; and 5 illegitimates.

[c] Includes 1 Black, 1 Mulatto, 2, Indian, and 1 unknown color; and 6 illegitimates.

[d] Includes 10 color unknown and 1 illegitimate.

TABLE XV.—*Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent. of Total Number Returned as having been Born in Michigan during the Year 1877, of Parents who were Natives of the Same and of Different States or Countries.*

NATIVITY OF PARENTS OF STILL-BIRTHS, 1877.	STILL-BORN CHILDREN, 1877.							
	NUMBER.				PR. CT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	Unkno'n.	Total.	Males.	Females.	Unknown.
All Nativities	720	399	290	31	100.00	100.00	100.00	100.00
Same American State or Foreign Country	406	231	152	23	56.39	57.89	52.41	74.19
Different American States or Foreign Countries	134	75	57	2	18.61	18.80	19.66	6.45
Foreign Father and Native Mother	67	35	31	1	9.44	8.77	10.69	3.23
Foreign Mother and Native Father	24	12	12	.....	3.33	3.01	4.14	.....
Unknown Mother, Father Native	3	1	2	.....	.42	.25	.69	.....
Unknown Mother, Father Foreign	5	3	2	.....	.70	.75	.69	.....
Unknown Father, Mother Native	8	3	4	1	1.11	.75	1.38	3.23
Unknown Father, Mother Foreign	4	1	3	.....	.56	.25	1.03	.....
Both unknown	69	38	27	4	9.60	9.52	9.31	12.90
Different States or Countries	225	122	100	3	31.25	30.58	34.48	9.68
Native	274	158	108	8	38.06	39.60	37.24	25.81
Foreign	266	148	101	17	36.94	37.09	34.83	54.84

ILLEGITIMATE CHILDREN.

The relation of illegitimate children to all children born, and of the mothers of illegitimates to all mothers, for each of the years 1872–1877, may be studied in Exhibit 8, following. With the exception of the year 1873 (which was a year for which an unusually large number of births were returned), the number of illegitimate children returned for the year 1877 was larger than for any other year, and the proportion which the illegitimate children were of all children born was greater in 1877 than in any previous year. There were 316 illegitimate children returned for 1877, which is .95 per cent. of all children born; and .94 per cent. of all the mothers in 1877 bore illegitimate children, —nearly one in every one hundred mothers.

EXHIBIT 8.—*The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1872 to 1877, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan during the Years 1872 to 1877, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.					
	1872.	1873.	1874.	1875.	1876.	1877.
All Children born	27,993	34,608	31,151	31,958	34,235	33,395
Illegitimate Children	199	316	236	193	266	316
Per Cent. of Illegitimates to Total	.71	.91	.76	.60	.78	.95
All Mothers	27,641	31,180	30,739	31,586	33,791	33,028
Mothers of Illegitimate Children	195	314	236	192	262	312
Per Cent. of Mothers of Illegitimates to All Mothers	.71	.92	.77	.61	.78	.94

In Exhibit 9 it is shown that the proportion of Indian mothers who bore illegitimate children in 1877 was greater than of any other race mentioned in the exhibit.

EXHIBIT 9.——*By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children Returned as having been Born in Michigan during the Years 1875 to 1877, inclusive.*

NATIVITY AND COLOR OF MOTHERS.	1875.			1876.			1877.		
	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.
Mothers of all colors and all nativities	192	31,586	.61	262	33,791	.78	312	33,028	.94
All Native Mothers	96	17,510	.55	170	19,086	.89	160	18,891	.85
All Foreign Mothers	31	12,777	.24	53	13,679	.39	79	13,449	.59
Mothers of unknown nativities.	65	1,299	5.00	39	1,026	3.80	73	688	10.61
White	166	31,147	.53	243	33,273	.73	286	32,445	.88
Black	8	112	7.14	3	139	2.16	6	101	5.94
Mulatto	3	89	3.37	7	88	7.95	4	87	4.60
[illegible]n	15	136	11.03	9	139	6.47	15	128	11.72
[illegible]	.....	102	.....	.....	152	.....	1	267	.37
[illegible]atto	11	201	5.47	10	227	4.41	10	188	5.32

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1877, according to the Returns.*

SEX.	YEAR, 1877.	MONTHS, 1877.													NATIVITY OF MOTHERS OF ILLEGITIMATE CHILDREN, 1877.							NATIVITY OF FATHERS OF ILLEGITIMATE CHILDREN, 1877.						
															NATIVE.			FOREIGN.				NATIVE.			FOREIGN.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.
Total.....	[a] 316	27	25	20	28	34	24	24	18	25	37	24	24	6	161	111	50	80	37	43	75	51	40	11	25	9	16	240
Males	[b] 182	12	17	9	18	17	13	14	12	16	24	13	13	4	94	66	28	44	22	22	[e] 44	27	22	5	16	6	10	[d] 139
Females .	[c] 133	15	8	11	10	17	11	10	6	8	13	11	11	2	66	45	[f] 21	36	15	21	[d] 31	24	18	[f] 6	9	3	6	[d] 100
Unknown	1	----	----	----	----	----	----	---	----	1	----	----	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	1

[a] Includes 1 pair of male twins, 2 pairs of female twins, and one pair of twins one of each sex.
[b] Includes 3 Black, 1 "Colored," 3 Mulatto, 4 Indian, 1 "Half-breed," 1 color unknown, and 5 still-born.
[c] Includes 2 "America."
[d] Includes 1 "America."
[e] Includes 2 Black, 1 Mulatto, 6 Indian, and 4 "Half-breed"; and 6 still-born.
[f] Includes 1 United States.

BLE XVII.—*Exhibiting, by Color and by Sex, the Number of Illegitimate Children Born in Michigan during the Year 1877; also the Per Cent. of Each Sex to the Total of Both Sexes.*

COLOR OR RACE.	SEX.	Total Illegitimate Births, 1877.	Per Cent. of Each Sex to Total of Both Sexes.
All Colors	Total	316	.....
	Males	182	57.78
	Females	133	42.22
	Unknown	1	.....
White	Total	290	.....
	Males	169	58.48
	Females	120	41.52
	Unknown	1	.....
Black	Total	[a] 6	.....
	Males	4	66.67
	Females	2	33.33
Mulatto	Total	4	.....
	Males	3	75 00
	Females	1	25.00
Indian	Total	[b] 15	.....
	Males	5	33.33
	Females	10	66.67
Unknown	Males	1	.....
Black and Mulatto	Total	10	.....
	Males	7	70.00
	Females	3	30.00

[a] Includes 1 male "Colored."
[b] Includes 1 male and 4 females "Half-breed."

TABLE XX.—*Exhibiting the Number of Males to 100 Females among Twin Children, and the Number of Illegitimate and Still-born Children Returned as having been born in Michigan during the Year 1877.*

STATE AND COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1877.	Number of Still-births in 1877.	COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1877.	Number of Still-births in 1877.
State	100	316	720	Lake	*		2
Alcona	*	2	1	Lapeer	100	3	12
Allegan	300	7	15	Leelanaw	167	3	9
Alpena	*		1	Lenawee	180	2	11
Antrim	100		3	Livingston	200	1	8
Baraga	100	3	4	Mackinac			1
Barry	60	4	14	Macomb	40	7	20
Bay	175	1	34	Manistee	100	2	11
Benzie	*		3	Marquette	243	6	28
Berrien	33	2	9	Mason		1	2
Branch	220	5	10	Mecosta	100		7
Calhoun	33	7	12	Menominee	100		
Cass	100	10	3	Midland	300	1	1
Charlevoix		2	1	Missaukee			
Cheboygan	100	2	2	Monroe	133	3	12
Chippewa		1		Montcalm	56	1	7
Clinton	300	7	9	Muskegon	150	1	8
Delta	*			Newaygo		2	
Eaton	60	2	6	Oakland	133	2	10
Emmet	*	5		Oceana	100	1	7
Genesee	167	6	11	Ontonagon		3	3
Grand Traverse	50	4	2	Osceola	200	1	7
Gratiot	100	2	8	Otsego			1
Hillsdale	20	2	4	Ottawa	64	3	32
Houghton	73	1	20	Roscommon	100		
Huron	200	3	10	Saginaw	33	5	43
Ingham	200	2	11	Sanilac	167	5	12
Ionia	25	5	10	Shiawassee	200	1	3
Iosco	100		3	St. Clair	140	14	15
Isabella	67	3	5	St. Joseph	29	1	10
Jackson	122	7	23	Tuscola	125		14
Kalamazoo	80	4	14	Van Buren	14		7
Kalkaska	200	4	1	Washtenaw	64		15
Kent	*				88	12	33
Keweenaw					200		2

* 3

TABLE XVIII.—*Exhibiting the Number of Males to 100 Females, and by Sex, the Number and Per Cent. of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1877, according to the Returns.*

NATIVITY OF PARENTS OF ILLEGITIMATE CHILDREN, 1877.		ILLEGITIMATE CHILDREN, 1877.								
		Number of Males to 100 Females.	NUMBER.				PER CENT. OF TOTAL.			
			Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities		137	316	182	133	1	100.00	100.00	100.00	100.00
Mothers	Native	142	161	94	66	1	50.95	51.65	49.62	100.00
	Foreign	122	80	44	36	.....	25.32	24.18	27.07	.....
	Unknown	142	75	44	31	.....	23.73	24.18	23.31	.....
Fathers	Native	111	51	27	24	.....	16.14	14.84	18.05	.....
	Foreign	178	25	16	9	.....	7.91	8.79	6.77	.....
	Unknown	139	240	139	100	1	75.95	76.37	75.19	100.00

There were nine townships from which it was reported that no births occurred in 1877, as shown in Exhibit 10. Six of these townships represented a population, in 1874, of 839, the other three in the exhibit having been organized since the Census of 1874 was taken. These townships are all comparatively small, with the exception of Gilmore, in Benzie county, the population of which was reported to have been 504 in 1874; and it does not seem probable that there was not a child born in so large a population during the year.

EXHIBIT 10.—*Townships in which it is Reported that there were No Births in 1877.*

COUNTIES.	TOWNSHIPS,—NO BIRTHS IN 1877.	POPULATION IN 1874.		
		Total.	Males.	Females.
Total	.....	839	473	366
Alcona	Comins[a]	.....	.....	.....
Benzie	Gilmore	504	272	232
	Lake	40	22	18
Cheboygan	Nunda[a]	.....	.....	.....
Iosco	Plainfield	119	71	48
Kalkaska	Excelsior[a]	.....	.....	.....
Manistee	Springdale	49	28	21
Ontonagon	Carp Lake	76	52	24
Sanilac	Moore	51	28	23

[a] Organized since census was taken.

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1877, according to the Returns.*

SEX.	YEAR, 1877.	MONTHS, 1877.													NATIVITY OF MOTHERS OF ILLEGITIMATE CHILDREN, 1877.							NATIVITY OF FATHERS OF ILLEGITIMATE CHILDREN, 1877.						
															NATIVE.			FOREIGN.				NATIVE.			FOREIGN.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.
Total.....	[a] 316	27	25	20	28	34	24	24	18	25	37	24	24	6	161	111	50	80	37	43	75	51	40	11	25	9	16	240
Males	[b] 182	12	17	9	18	17	13	14	12	16	24	13	13	4	94	66	28	44	22	22	[c] 44	27	22	5	16	6	10	[d] 139
Females .	[e] 133	15	8	11	10	17	11	10	6	8	13	11	11	2	66	45	[f] 21	36	15	21	[d] 31	24	18	[f] 6	9	3	6	[d] 100
Unknown	1	----	----	----	----	----	----	---	----	1	----	----	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	1

[a] Includes 1 pair of male twins, 2 pairs of female twins, and one pair of twins one of each sex.
[b] Includes 3 Black, 1 "Colored," 3 Mulatto, 4 Indian, 1 "Half-breed," 1 color unknown, and 5 still-born.
[c] Includes 2 "America."
[d] Includes 1 "America."
[e] Includes 2 Black, 1 Mulatto, 6 Indian, and 4 "Half-breed"; and 6 still-born.
[f] Includes 1 United States.

TABLE XXII.—*Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1876–7, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1877, according to the Returns.*

Conceptions for Births in 1877.[a]					
Months of 1876 and 1877 of Conceptions of Births in 1877, in order by number, the least first.		Total Number of Conceptions.[b]	Months of 1876 and 1877, in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females.
Less than the Average Number of Conceptions.	April	2,169	More than the Average Proportion of Males.	April	116
	May	2,441		July	116
	August	2,630		May	113
	June	2,631		January, 1877	[c] 112
	July	2,689		October	[c] 110
	September	2,693		March, 1877	[c] 108
Average		2,773	Average		107
More than the Average Number of Conceptions.	October	2,843	Less than the Average Proportion of Males.	November	107
	February, 1877	2,881		June	[c] 105
	January, 1877	2,959		February, 1877	104
	March, 1877	3,081		September	[c] 101
	December	3,089		December	101
	November	3,166		August	[c] 96

[a] Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.
[b] For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average total number of conceptions occurred, and *vice versa*.

EXHIBIT N.—*Births Returned as having occurred in Michigan during the Year 1877, by Sex, and by Months Equalized to 30.44 days each.*

Sex.	Year, 1877.	Months of Births, Equalized, 1877.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	[a] 33,397	2,173	2,442	2,641	2,694	2,634	2,696	2,847	3,169	3,093	2,960	2,889	3,088	71
	17,230	1,166	1,296	1,347	1,442	1,290	1,351	1,487	1,634	1,553	1,562	1,467	1,601	34
	[b] 108	1,003	1,145	1,284	1,247	1,340	1,342	1,356	1,532	1,536	1,397	1,414	1,480	32
	[b] 9	4	1	10	5	4	3	4	3	4	1	8	7	5

[a] Births of each sex, and the total number, as equalized, are not the same as the [illegible] because of the gain or loss of fractions, and the unequal numbers in the several [illegible] addition and subtraction. The number of births returned was 33,395,—17,227 [illegible] and 59 of unknown sex.

TABLE XXIII.—*Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence and Equalized to Months of uniform length.*

Conceptions for Births in 1877.[a]					
Months of 1876 and 1877 of Conceptions of Births in 1877, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.		Number of Conceptions as Corrected and Equalized.[b]	Months of 1876 and 1877 of Conceptions of Births in 1877, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females. Births Corrected and Equalized.
Less than the Average No. of Conceptions.	February, 1877	3,737	More than the Average Proportion of Males.	April [c]	118
	March, 1877	3,845		July	117
	April	3,888		May	115
	January, 1877	3,988		January, 1877 [c]	113
	September	4,158		October	111
Average		4,174		March, 1877 [c]	109
More than the Average No. of Conceptions.	August	4,194	Average		108
	October	4,252	Less than the Average Proportion of Males.	November [c]	108
	May	4,256		June [c]	106
	December	4,312		February, 1877	105
	July	4,421		September	102
	June	4,457		December [c]	102
	November	4,579		August [c]	97

[a] See foot-note [b] to Table XXII., page 61.
[b] Excluding unknown month and unknown sex.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *more* than the average number of conceptions occurred and *less* than the average proportion of males in months in which *less* than the average number of conceptions occurred.

EXHIBIT O.—*Births Returned as having occurred in Michigan during the Year 1877, by Sex, and by Months Equalized to 30.44 days each, and, by Months, the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown months excluded.*

Sex.	Year, 1877.	Months of Births as Equalized, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	[a] 33,272	2,169	2,441	2,631	2,689	2,630	2,693	2,843	3,166	3,089	2,959	2,881	3,081
Males	17,196	1,166	1,296	1,347	1,442	1,290	1,351	1,487	1,634	1,553	1,562	1,467	1,601
Females	16,076	1,003	1,145	1,284	1,247	1,340	1,342	1,356	1,532	1,536	1,397	1,414	1,480
Excess of Males	1,120	163	151	63	195	—50	9	131	102	17	165	53	121
Males to 100 Females	107	116	113	105	116	96	101	110	107	101	112	104	108

[a] Excluding 125 births of unknown sex and unknown month.

TABLE XXIV.—*Exhibiting, by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1876 and 1877 in which were Conceived the Children Born during the Year ending December 31, 1877.*

Deaths.			Conceptions.[b]		
	Months[a] of 1876 and 1877 of Conceptions of Births in 1877, arranged in order by Total Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1876 and 1877 of Conceptions of Births in 1876, in order by number, the least first.	Number of Conceptions, as Equalized.[a]
Less than the Average Number of Deaths.	January, 1877	753	Less than the Average No. of Conceptions.	April[c]	2,173
	June	868		May[c]	2,442
	February, 1877	916		August	2,634
	May	953		June[c]	2,641
	March, 1877	973		July	2,694
	April	992		September	2,696
	November	1,004			
Average		1,057	Average		2,777
More than the Av. No. of Deaths.	July	1,060	More than the Average No. of Conceptions.	October[c]	2,847
	October	1,111		February, 1877	2,889
	December	1,132		January, 1877	2,960
	September	1,443		March, 1877	3,088
	August	1,480		December[c]	3,093
				November	3,169

[a] Equalized to months of 30.44 days each, excluding unknown months.
[b] See foot-note [b] to table XXII., page 61.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number in months in which *more* than an average number of deaths occurred.

EXHIBIT P.—*Births Returned as having occurred in Michigan during the Year 1877, by Sex and by Months, Corrected for Omissions in Enumerating, Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized, for the several Months, Equalized for Months of 30.44 days each.*

Sex.	Year, 1877.	Months of Birth, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	51,247	4,052	4,420	4,613	4,561	4,312	4,263	4,341	4,659	4,373	4,030	3,764	3,859
Males	26,650	2,193	2,362	2,377	2,461	2,128	2,150	2,282	2,417	2,208	2,136	1,924	2,012
Females	24,597	1,859	2,058	2,236	2,100	2,184	2,113	2,059	2,242	2,165	1,894	1,840	1,847

TABLE XXV.—*Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths, the Number of Deaths and Births Returned from which Conceptions are estimated, being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1876 and 1877 of Conceptions of Births in 1877, arranged in order by number of Deaths, the least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1876 and 1877 of Conceptions of Births in 1877, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions, as Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1877	1,258	Less than the Av. No. of Conceptions.	February, 1877 [c]	3,737
	November	1,282		March, 1877	3,845
	June	1,309		April	3,888
	December	1,394		January, 1877 [c]	3,988
	October	1,470		September	4,158
	May	1,481			
	February, 1877	1,494		Average	4,174
Average		1,537	More than the Average Number of Conceptions.	August [c]	4,194
More than the Av. No. of Deaths.	March, 1877	1,544		October	4,252
	July	1,549		May	4,256
	April	1,589		December	4,312
	September	1,978		July [c]	4,421
	August	2,095		June	4,457
				November	4,579

[a] See foot-note [b] to Table XXII, page 61.
[b] Excluding unknown month and unknown sex.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number of conceptions in months in which *more* than an average number of deaths occurred.

TABLE XXVI.—*Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1876 and 1877; the Number of Births and Deaths Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1876 and 1877 of Conceptions of Births in 1877, arranged in order by number of Deaths, least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1876 and 1877 of Conceptions of Births in 1877, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females. Births Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1877	1,258	More than the Average Proportion of Males.	April[c]	118
	November	1,282		July[c]	117
	June	1,309		May	115
	December	1,394		January, 1877	113
	October	1,470		October	111
	May	1,481		March, 1877[c]	109
	February, 1877	1,494			
Average		1,537	Average		108
More than the Av. No. of Deaths.	March, 1877	1,544	Less than the Average Proportion of Males.	November[c]	108
	July	1,549		June[c]	106
	April	1,589		February, 1877[c]	105
	September	1,978		September	102
	August	2,095		December[c]	102
				August	97

[a] See foot-note [b] to Table XXII, page 61.
[b] Excluding births in unknown month and of unknown sex.
[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

TABLE XXVII.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1876 and 1877, and Born during the Year ending December 31, 1877.*

Deaths.			Conceptions.[a]		
	Months of 1876 and 1877 of Conceptions of Births in 1877, arranged in order by Number of Deaths, the least first.	Number of Deaths as Equalized.		Months[b] of 1876 and 1877, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
Less than the Average Number of Deaths.	January, 1877	753	More than the Average Proportion of Males.	April	116
	June	868		July [c]	116
	February, 1877	916		May	113
	May	953		January, 1877	112
	March, 1877	973		October [c]	110
	April	992		March, 1877	108
	November	1,004			
Average		1,057	Average		107
More than the Average Number of Deaths.	July	1,060	Less than the Average Proportion of Males.	November [c]	107
	October	1,111		June [c]	105
	December	1,132		February, 1877 [c]	104
	September	1,443		September	101
	August	1,480		December	101
				August	96

[a] See foot-note [b] to Table XXII, page 61.

[b] Equalized to months of 30.44 days each, excluding unknown month.

[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

TABLE XXVIII.—*Exhibiting for the Total Births, for the Twins, Illegitimates, and Still-born Children Returned as having been Born in Michigan during the Year 1877; the Number of Boys to 100 Girls among such Children, distinguishing the Parent-Nativities, and thus exhibiting the Influence of Parent-Nativity upon Sex of Children.*

NATIVITY OF PARENTS.		Births, 1877.[a]		Boys to 100 Girls.			
		Males.	Females.	Total Births.	Twin Children.	Illegitimates.	Still-births.
All Nativities		17,227	16,109	106.94	100.00	136.84	137.59
Both Parents Native		7,926	7,324	108.14	94.19	.....	146.30
Both Parents Foreign		5,936	5,600	106.00	110.00	.....	146.53
Foreign Father and Native Mother		1,861	1,770	105.14	123.53	.....	112.90
Foreign Mother and Native Father		1,011	935	108.13	91.30	.....	100.00
One or Both Unknown		493	480	102.71	52.94	.....	121.05
Mothers	Native	9,890	9,183	107.70	98.08	142.42	137.06
	Foreign	6,995	6,581	106.29	105.48	122.22	138.79
	Unknown	342	345	99.13	66.67	141.94	135.48
Fathers	Native	9,028	8,342	108.22	92.04	112.50	140.16
	Foreign	7,852	7,435	105.61	112.99	177.78	138.81
	Unknown	347	332	104.52	63.64	139.00	123.53
One or Both Native		10,992	10,201	107.75	95.78	.....	133.12
One or Both Foreign		8,911	8,416	105.88	108.80	.....	133.56
Both Unknown		196	197	99.49	100.00	.....	140.74
Same Country		[b] 13,862	[b] 12,924	[b] 107.25	[c] 101.43	.....	[c] 147.24
Different Countries		[d] 2,872	[d] 2,705	[d] 106.17	[e] 105.80	.....	[e] 113.21
Same American State or Foreign Country		.....	.....	.....	99.01	.....	151.97
Different American States or Foreign Countries		.....	.....	.....	104.49	.....	131.58

[a] Excluding unknown Sex.
[b] Includes "Native" and "Foreign."
[c] Includes "Native," and same Foreign Country.
[d] Includes "Foreign Father and Native Mother," and "Foreign Mother and Native Father."
[e] Includes "Different Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

MARRIAGES, 1877.

Eleven thousand and nine (11,009) marriages were returned as having been solemnized in Michigan during the year 1877. This is the number in the general returns for 1877, and will probably be increased by subsequent returns by about seven or eight hundred. The number returned for 1877 is larger than the number included in the first returns for any previous year except 1874 and 1875.

The following tabular exhibit shows, by nativity, the average age of males and of females married in this State during each of the years 1874–1877. The average age of the native-born persons married was greater each year than of the foreign-born; and the excess of the average age of the males over that of the females, of all nativities, in each year, was as follows: 1874, 6.88 years; 1875, 5.01 years; 1876, 5.14 years; 1877, 5.19 years. The average of the excess for the four years 1874–1877 was 5.56 years, so that it may be stated, judging from the returns of marriages, that the males married in this State will average about five and one-half years older than the females.

An examination of the exhibit shows that the excess of the age of the males over the age of the females was greater among the native-born than among the foreign-born, for each of the years 1875, 1876, and 1877.

Nativity of Persons Married.	1874.		1875.		1876.		1877.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities	28.07	21.19	27.91	22.90	28.19	23.05	28.25	23.06
Native	*	*	27.69	22.54	27.64	22.53	27.76	22.59
Foreign	*	*	28.45	24.21	29.54	24.82	29.53	24.63
Unknown	*	*	27.28	20.91	27.94	23.32	27.75	24.36

*Not compiled.

The average number of marriages for certain specified periods of time during the year 1877, including those in unknown month is as follows:

Average number per quarter	2,752.25
Average number per month	917.42
Average number per week	211.71
Average number per day	30.16

Table I. shows the number and per cent. of marriages, by quarters of the year, for each of the years 1872–1877, the number in each of the years 1872–

1876 having been corrected, for additional returns, up to February 1, 1879. The largest number and per cent. for 1877 are shown for the quarter ending with December; and these will doubtless be greatly increased by additional returns with the returns of marriages for next year (1878).

TABLE I.—*Marriages Returned as having been solemnized in Michigan, showing the Number and Per Cent. in each Quarter of the Year, for each of the Years 1872, 1873, 1874, 1875, 1876, and 1877, Corrected for Additional Returns, up to February 1, 1879.*

Totals, and Months with which Quarters End.	1872.		1873.		1874.		1875.		1876.		1877.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	10,752	100.00	11,873	100.00	12,211	100.00	11,703	100.00	11,610	100.00	11,009	100.00
March	2,406	22.38	2,679	22.56	2,938	24.06	2,573	21.99	2,663	22.94	2,633	23.92
June	2,369	22.03	2,695	22.70	2,591	21.22	2,631	22.48	2,571	22.14	2,422	22.00
September	2,633	24.49	3,025	25.48	2,926	23.96	2,748	23.48	2,801	24.13	2,646	24.03
December	3,337	31.04	3,468	29.21	3,745	30.67	3,749	32.03	3,570	30.75	3,298	29.96
Unknown	7	.06	6	.05	11	.09	2	.02	5	.04	10	.09
Average [a]	2,688	25.00	2,968	25.00	3,053	25.00	2,926	25.00	2,903	25.00	2,752	25.00

[a] Including unknown quarter.

Exhibit A is similar in plan to table I., differing from it in showing the number and per cent. of marriages as originally returned and published in the Reports.

EXHIBIT A.—*Marriages by Quarters of the Year, showing number and Per Cent. in each Quarter of the Year, for each of the Years 1872, 1873, 1874, 1875, 1876, and 1877, as Originally Returned and published in the Reports.*

Totals, and Months with which Quarters End.	1872.		1873.		1874.		1875.		1876.		1877.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	9,882	100.00	10,574	100.00	11,041	100.00	11,055	100.00	10,858	100.00	11,009	100.00
March	2,326	23.54	2,580	24.39	2,832	25.65	2,519	22.79	2,599	23.94	2,633	23.92
June	2,281	23.08	2,578	24.38	2,483	22.49	2,557	23.13	2,474	22.79	2,422	22.00
September	2,471	25.01	2,774	26.23	2,713	24.57	2,625	23.74	2,677	24.65	2,646	24.03
December	2,797	28.30	2,637	24.94	3,003	27.20	3,353	30.33	3,105	28.60	3,298	29.96
Unknown	7	.07	5	.05	10	.09	1	.01	3	.03	10	.09
Average [a]	2,471	25.00	2,644	25.00	2,760	25.00	2,764	25.00	2,715	25.00	2,752	25.00

[a] Including unknown quarter.

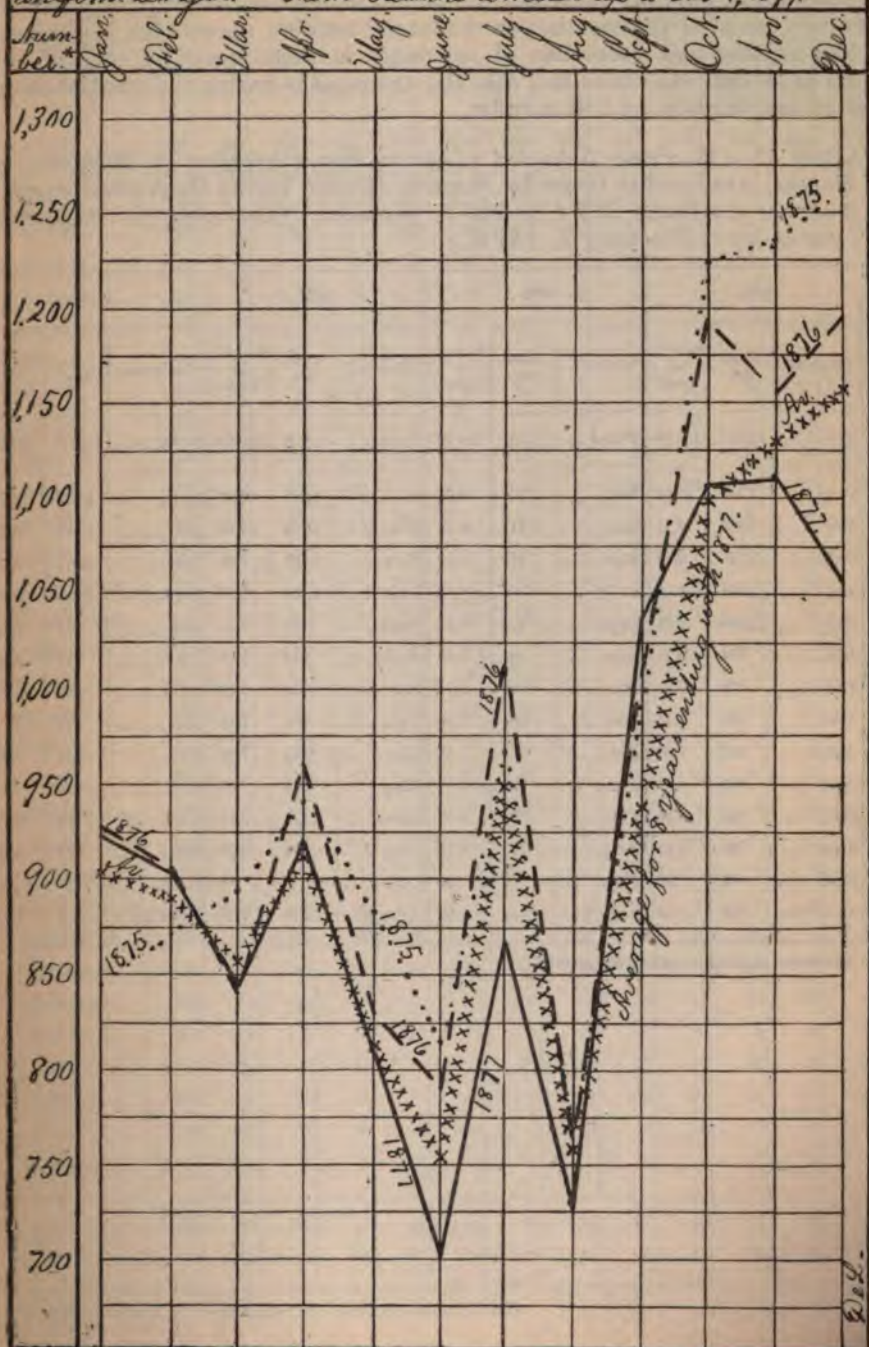
EXHIBT B.—*Marriages Returned as having been solemnized in Michigan during the Years 1873 to 1877, inclusive, Corrected for additional returns up to February 1, 1879, and Equalized to Months of 30.44 days each.*

	Year.	Total.	Months.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Mariages as returned [a]	1873	11,873	1,004	867	868	905	904	886	1,126	847	1,052	1,185	1,173	1,110	6
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		--------	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	------
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		+2	-18	+70	-16	+13	-16	+13	-20	-15	+15	-21	+17	-20	------
Marriages, equalized to months of uniform length		11,875	986	877	852	918	888	899	1,106	832	1,067	1,164	1,190	1,090	6
Marriages as retuned [a]	1874	12,211	994	978	966	962	842	787	1,009	873	1,044	1,159	1,285	1,351	11
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		--------	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	------
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+15	-18	+85	-17	+14	-15	+12	-18	-16	+15	-21	+18	-24	------
Marriages, equalized to months of uniform length		12,226	976	1,063	949	976	827	799	991	857	1,059	1,138	1,253	1,327	11
Marriages as returned [a]	1875	11,703	861	802	910	928	900	803	985	787	976	1,247	1,217	1,285	2
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		--------	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	------
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+2	-16	+70	-16	+14	-16	+12	-18	-14	+14	-23	+18	-23	------
Marriages, equalized to months of uniform length		11,705	845	872	894	942	884	815	967	773	990	1,224	1,235	1,262	2
Marriages as returned [a]	1876	11,610	945	863	855	946	846	779	1,031	778	992	1,214	1,138	1,218	5
Days and hundreths by which the months should be increased or diminished to equalize them to uniform length.		--------	-.56	+1.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	.-56	------
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		-24	-17	+43	-15	+14	-15	+11	-19	-14	+15	-22	+17	-22	------
Marriages, equalized to months of uniform length		11,586	928	906	840	960	831	790	1,012	764	1,007	1,192	1,155	1,196	5
Marriages as returned [a]	1877	11,009	941	831	861	907	823	692	882	741	1,023	1,127	1,094	1,077	10
Days and hundreths by which the months should be increased or diminished to equalize them to uniform length.		--------	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	------
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+9	-17	+72	-16	+13	-15	+10	-16	-13	+15	-20	+16	-20	------
Marriages, equalized to months of uniform length		11,018	924	903	845	920	808	702	866	728	1,038	1,107	1,110	1,057	10

[a] Corrected for additional returns up to February 1, 1879.

Diagram No. 2.

Marriages in Michigan during the Years 1875, 1876, and 1877, and Average for 8 ending with 1877, by months equalized to uniform length. From Returns corrected up to Feb. 1, 1879.



*Scale = 100 to the inch.

Designed by Henry B. Be

Exhibit B shows, by months, the number of marriages in Michigan during each of the years 1873–1877, as returned and as equalized to months of uniform length, also some of the steps in the method of equalizing. Before the months of 1877 are equalized, the largest number of marriages appears for October, but after the equalization the largest number appears for November.

The number and proportion of marriages in each month of each of the years 1874–1877 are shown in Table II., the months having the greatest number of marriages being first in order.

TABLE II.—*Marriages Returned as having been solemnized in Michigan, by Months, Arranged in Order by Number, Months having the greatest number first, for the Years 1874 to 1877, inclusive.* (*Corrected, for additional returns, up to February 1, 1879.*)

Order.	1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	12,211	100.00	Total	11,703	100.00	Total	11,610	100.00	Total	11,009	100.00
1	Dec.	1,351	11.06	Dec.	1,285	10.98	Dec.	1,218	10.49	Oct.	1,127	10.24
2	Nov.	1,235	10.11	Oct.	1,247	10.65	Oct.	1,214	10.46	Nov.	1,094	9.94
3	Oct.	1,159	9.49	Nov.	1,217	10.40	Nov.	1,138	9.80	Dec.	1,077	9.78
4	Sept.	1,044	8.55	July	985	8.42	July	1,031	8.88	Sept.	1,023	9.29
5	July	1,009	8.26	Sept.	976	8.34	Sept.	992	8.54	Jan.	941	8.55
6	Jan.	994	8.14	Apr.	928	7.93	April	946	8.15	April	907	8.24
7	Feb.	978	8.01	Mar.	910	7.78	Jan.	945	8.14	July	882	8.01
8	Mar.	966	7.91	May	900	7.69	Feb.	863	7.43	Mar.	861	7.82
9	April	962	7.88	Jan.	861	7.36	Mar.	855	7.36	Feb.	831	7.55
10	Aug.	873	7.16	June	803	6.86	May	846	7.29	May	823	7.47
11	May	842	6.90	Feb.	802	6.85	June	779	6.71	Aug.	741	6.73
12	June	787	6.44	Aug.	787	6.72	Aug.	778	6.70	June	692	6.29
	Unk.	11	.09	Unk.	2	.02	Unk.	5	.04	Unk.	10	.09
	Aver'ge[a]	1,018	8.33	Aver'ge[a]	975	8.33	Aver'ge[a]	968	8.33	Aver'ge[a]	917	8.33

[a] Includes those for unknown month.

TABLE III.—*Distinguishing, by Counties and by Months, the number of Marriages returned as having been solemnized in Michigan during the Year ending December 31, 1877.*

STATE AND COUNTIES.	Year, 1877.	MONTHS, 1877.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
STATE	11,009	941	831	861	907	823	692	882	741	1,023	1,127	1,094	1,077	10
Alcona	9	1	.....	.....	.....	.....	2	.....	.....	2	1	1	2	.....
Allegan	266	16	25	27	25	18	20	20	22	25	18	27	23	.....
Alpena	42	4	3	4	8	2	1	5	2	3	4	5	1	.....
Antrim	23	2	3	3	3	1	1	2	1	1	1	4	1	.....
Baraga	7	.....	.....	.....	.....	2	2	2	.....	1	.....	.....	.....	.....
Barry	210	21	23	10	13	17	12	13	11	18	23	25	24	.....
Bay	150	7	6	6	13	16	15	16	12	12	18	17	12	.....
Benzie	22	3	1	.....	2	2	3	1	1	2	5	1	1	.....
Berrien	356	35	33	23	35	19	21	24	38	37	27	30	32	2
Branch	273	24	29	16	14	21	12	16	20	24	40	27	30	.....
Calhoun	289	29	22	15	29	17	22	16	18	28	21	33	39	.....
Cass	175	14	8	9	6	12	4	18	16	21	27	15	25	.....
Charlevoix	31	4	1	.....	5	.....	2	3	2	6	4	2	2	.....
Cheboygan	45	3	.....	2	1	2	5	3	2	7	5	13	2	.....
Chippewa	23	.....	.....	.....	2	2	3	1	5	2	4	4	.....	.....
Clare	13	.....	.....	.....	1	6	2	.....	1	2	1	.....	.....	.....
Clinton	173	22	10	12	11	18	6	10	9	18	20	20	17	.....
Delta	44	1	2	.....	4	7	4	7	4	4	4	6	1	.....
Eaton	287	28	28	23	13	18	23	24	16	26	27	21	40	.....
Emmet	26	3	1	.....	3	1	2	.....	1	4	3	8	.....	.....
Genesee	350	26	13	29	27	22	26	34	29	33	51	34	25	1
Gladwin	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....
Gr. Traverse	41	2	2	3	8	2	1	4	3	4	5	4	3	.....
Gratiot	126	11	7	10	8	10	8	15	4	11	12	8	22	.....
Hillsdale	329	30	20	33	31	18	20	27	24	33	36	27	30	.....
Houghton	183	21	16	5	17	11	9	14	19	17	17	20	17	.....
Huron	109	8	5	6	10	12	9	9	10	5	9	16	10	.....
Ingham	287	24	30	21	14	18	12	26	16	27	35	25	39	.....
Ionia	254	14	21	28	16	12	14	20	17	23	32	27	29	1
Iosco	39	2	1	2	2	3	2	3	3	9	7	3	2	.....
Isabella	49	4	3	5	5	3	4	4	1	4	7	4	5	.....
Isle Royal*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	395	37	21	44	21	28	21	33	21	31	43	52	43	.....
Kalamazoo	249	18	17	20	17	20	19	11	18	23	35	23	27	1

* No returns of marriages from county clerk for 1877.

TABLE III.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	Year, 1877.	MONTHS, 1877.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Kalkaska	16	.....	1	1	4	.....	.....	.....	2	1	2	3	2	.....
Kent	517	43	49	41	46	38	24	32	26	47	54	57	59	1
Keweenaw	25	1	3	1	1	4	1	2	.....	7	2	1	2	.....
Lake	13	1	2	2	1	.....	.....	[a] 2	1	.....	2	1	1	.....
Lapeer	191	7	11	23	19	13	10	21	12	21	18	12	24	.....
Leelanaw	46	8	1	2	4	.....	3	6	2	8	6	3	3	.....
Lenawee	401	47	35	38	27	27	25	32	30	36	30	43	31	.....
Livingston	156	18	22	15	10	13	5	4	9	12	16	18	14	.....
Mackinac	17	.....	3	.....	3	2	.....	2	2	1	3	1	.....	.....
Macomb	228	18	18	13	21	22	14	15	8	27	21	26	25	.....
Manistee	57	5	1	4	8	2	6	8	4	2	2	6	9	.....
Manitou	6	.....	.....	.....	1	.....	.....	.....	1	.....	2	.....	2	.....
Marquette	109	15	5	4	10	4	14	9	9	13	11	9	6	.....
Mason	62	6	.....	6	3	9	2	4	4	5	11	4	8	.....
Mecosta	88	7	6	6	12	7	2	8	7	11	8	8	6	.....
Menominee	32	1	3	2	6	3	3	3	3	2	4	1	.....	1
Midland	37	7	2	3	1	4	2	2	1	3	1	4	7	.....
Missaukee	7	.....	.....	1	2	1	1	.....	.....	.....	.....	1	1	.....
Monroe	328	37	25	27	25	26	18	26	20	24	32	31	37	.....
Montcalm	172	17	24	22	14	13	12	12	15	12	11	7	13	.....
Muskegon	138	12	6	15	18	13	7	12	9	5	14	16	11	.....
Newaygo	87	8	5	11	10	5	4	13	7	9	9	2	4	.....
Oakland	314	28	31	19	19	22	17	26	9	28	24	53	36	2
Oceana	75	2	4	7	9	5	3	10	4	4	4	13	10	.....
Ogemaw	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon	12	1	.....	.....	.....	1	3	1	2	.....	1	2	1	.....
Osceola	77	7	5	6	6	4	4	10	3	6	9	10	7	.....
Otsego	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Ottawa	241	13	12	26	26	20	15	32	15	18	21	20	23	.....
Presque I'l. [b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roscommon	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saginaw	354	27	19	16	41	41	17	32	25	39	43	32	22	.....
Sanilac	135	12	9	20	10	8	6	8	4	15	12	17	14	.....
Schoolcraft	10	.....	.....	3	.....	.....	1	2	.....	2	2	.....	.....	.....
Shiawassee	183	12	9	16	9	10	13	12	13	21	22	18	28	.....
St. Clair	319	22	24	16	20	22	28	26	23	26	40	29	43	.....
St. Joseph	313	27	23	30	19	28	31	14	31	25	32	32	21	.....

[a] These marriages were in returns for 1876. No returns of marriages from county clerk for 1877.
[b] No returns of marriages from county clerk for 1877.

TABLE III.—CONTINUED.—*Marriges by Counties, by Months.*

COUNTIES.	Year, 1877.	MONTHS, 1877.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Tuscola	160	18	11	8	21	7	10	18	9	13	21	13	11	.....
Van Buren	237	13	25	16	25	11	10	16	17	19	27	29	29	.....
Washtenaw	291	16	24	27	16	28	21	19	13	23	26	35	43	.....
Wayne	628	66	61	52	69	69	52	58	51	66	39	28	16	1
Wexford	43	4	.....	5	6	1	1	3	4	9	2	5	3	

TABLE IV.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent. of Total Number of Persons Married in Michigan during the Year 1877, according to the Returns.*

COLORS.—1877.	SEX.	Number of Marriages 1877.	PERSONS MARRIED, 1877.		Number of Persons who Married those of another Color.
			Number.	Per Cent. of Total Number.	
All Colors	Total	11,009	22,018	100.00	48
	Males	.....	11,009	100.00	24
	Females	.....	11,009	100.00	24
White	Total	10,786	21,599	98.10	17
	Males	.....	10,806	98.16	7
	Females	.....	10,793	98.04	10
Black	Total	78	147	.67	8
	Males	.....	78	.71	8
	Females	.....	69	.62	.....
Mulatto	Total	30	63	.28	8
	Males	.....	30	.27	2
	Females	.....	33	.30	6
Indian	Total	46	93	.42	15
	Males	.....	46	.42	7
	Females	.....	47	.43	8
One or Both Unknown	Total	69	116	.53	.....
	Males	.....	49	.44	.....
	Females	.....	67	.61	.....
Black and Mulatto	Total	108	210	.95	16
	Males	.....	108	.98	10
	Females	.....	102	.93	6

Table IV. loses much of its former value from the fact that the population is left out of it. The Census of Michigan for 1874 does not furnish any data of the color of inhabitants, and the data of the population in 1870 is thought not to be of much value for comparing with the marriages in 1877. The white inhabitants composed 98.60 per cent. of the total population of this State in 1870, and in 1877, 98.10 per cent. of all the persons married were reported to be white; and it may thus be seen that the proportion of white

persons married in 1877 was greater than the proportion of white inhabitants in 1870. This is the nearest approach we can make in this report to a comparison of the marriage-rate by color of persons married.

TABLE V.—*Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1877, the Number of Couples of White Persons, and by Color the Number of Marriages where one or both parties were other than White.*

STATE AND COUNTIES.	Marriages, 1877.	Color of Persons Married, 1877, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. / Male White.	Male Unk. / Female White.	Both Unknown.
State	11,009	[a] 10,786	[b] 78	[c] 30	[d] 46	[e] 20	4	[f] 45
Alcona	9	9						
Allegan	266	235	[g] 4		[h] 1	14		12
Alpena	42	42						
Antrim	23	23						
Baraga	7	5				[i] 1		[j] 1
Barry	210	210						
Bay	150	146		1	3			
Benzie	22	22						
Berrien	356	349	1	2	[k] 1	2		1
Branch	273	272	1					
Calhoun	289	[l] 284	[m] 2	1	1			1
Cass	175	165	[n] 10					
Charlevoix	31	26			5			
Cheboygan	45	45						
Chippewa	23	[o] 18			[p] 5			
Clare	13	13						
Clinton	173	172						
Delta	44	[q] 42	1		[k] 1			

[a] Includes 4 couples, male White, female Indian; 3 couples, male White, female White and Indian; and 1 couple, "Light."

[b] Includes 10 couples "Colored;" 6 couples "African;" 5 couples "African and Indian;" 5 couples, male Black, female Mulatto; 1 couple, male Black, female "African and Indian;" 1 couple, male Black, female Indian; 1 couple, male "Colored," female Mulatto; 1 couple, male Black, female White, and 1 couple, male "Colored," female unknown.

[c] Includes 2 couples, male Mulatto, female White; 1 couple, male Mulatto, female unknown, and 1 couple "Octoroon."

[d] Includes 6 couples, male White and Indian, female White; 4 couples, male White and Indian, female Indian; 4 couples White and Indian; 1 couple, male Indian, female White; 1 couple, male White and Indian, female "Quad.," and 1 couple, male White and Indian, female "½ White, ½ Indian, ½ African."

[e] Includes one female "mixed blood."

[f] Includes 1 couple "mixed blood."

[g] Includes 1 couple, male Black, female Indian.

[h] Includes 1 couple, male White and Indian, female "Quad."

[i] Includes 1 female "mixed blood."

[j] Includes 1 couple "mixed blood."

[k] Includes 1 couple, male White and Indian, female White.

[l] Includes 1 couple "Light."

[m] Includes 1 couple, male Black, female Mulatto.

[n] Includes 5 couples "African and Indian;" and 1 couple, male Black, female "African and Indian."

[o] Includes 3 couples, male White, female White and Indian.

[p] Includes 3 couples White and Indian, and 1 couple, male White and Indian, female Indian.

[q] Includes 1 couple, male White, female Indian.

TABLE V.—CONTINUED.—*Marriages in 1877, by Counties, by Color.*

COUNTIES.	Marriages, 1877.	Color of Persons Married, 1877, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk.	Male Unk.	Both Unknown.
						Male White.	Female White.	
Eaton	287	284	[a] 2			1		
Emmet	26	18			[b] 8			
Genesee	350	344	6					
Gladwin	4	4						
Grand Traverse	41	41						
Gratiot	126	126						
Hillsdale	329	328				1		
Houghton	183	[c] 183						
Huron	109	109						
Ingham	287	286		1				
Ionia	254	253						1
Iosco	39	39						
Isabella	49	[d] 44	2		3			
Isle Royal [e]	[e]							
Jackson	395	387	[f] 3	1				
Kalamazoo	249	245	4					
Kalkaska	16	16						
Kent	517	511	4	1				1
Keweenaw	25	25						
Lake	13	13						
Lapeer	191	189	1	1				
Leelanaw	46	45			1			
Lenawee	401	400	1					
Livingston	156	156						
Mackinac	17	[d] 12			[g] 5			
Macomb	228	228						
Manistee	57	57						
Manitou	6	6						
Marquette	109	109						
Mason	62	62						
Mecosta	88	85	2				1	

[a] Includes 1 couple, male Black, female Mulatto.
[b] Includes 3 couples, male White and Indian, female Indian.
[c] Includes one couple, male White, female White and Indian.
[d] Includes one couple, male White, female Indian.
[e] No returns of marriages from county clerk for 1877.
[f] Includes 2 couples, male Black, female Mulatto.
[g] Includes 2 couples, male White and Indian, female White.

TABLE V.—CONTINUED.—*Marriages in 1877, by Counties, by Color.*

COUNTIES.	Marriages, 1877.	Color of Persons Married, 1877, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk.	Male Unk.	Both Unknown.
						Male White.	Female White.	
Menominee	32	31			1			
Midland	37	37						
Missaukee	7	7						
Monroe	328	326	2					
Montcalm	172	171		[a] 1				
Muskegon	138	136					2	
Newaygo	87	87						
Oakland	314	312	1				1	
Oceana	75	71			[b] 4			
Ogemaw [c]	2	2						
Ontonagon	12	12						
Osceola	77	77						
Otsego	1	1						
Ottawa	241	240	1					
Presque Isle [d]								
Roscommon	2	2						
Saginaw	354	342	[e] 5	4	[f] 3			
Sanilac	135	135						
Schoolcraft	10	8			2			
Shiawassee	183	183						
St. Clair	319	314	1		[g] 1			3
St. Joseph	313	313						
Tuscola	160	159		1				
Van Buren	237	236		1				
Washtenaw	291	280	[h] 4	[i] 3	[f] 1	1		2
Wayne	628	578	[j] 20	[a] 12				18
Wexford	43	43						

[a] Includes 1 couple, male Mulatto, female White.
[b] Includes 1 couple, male Indian, female White; and 1 couple, male White and Indian, female "⅜ White, ⅜ Indian, ½ African."
[c] These marriages were returned in 1876. No returns from county clerk for 1877.
[d] No returns of marriages from county clerk for 1877.
[e] Includes 3 couples "Colored," and 1 couple, male Black, female Mulatto.
[f] Includes 1 couple, male White and Indian, female White.
[g] Includes 1 couple White and Indian.
[h] Includes 1 couple "African," and 1 couple "Colored."
[i] Includes 1 couple, male Mulatto, female unknown, and 1 couple Octoroon.
[j] Includes 5 couples "African;" 6 couples "Colored;" 1 couple, male "Colored," female Mulatto; 1 couple, male Black, female White, and 1 couple, male "Colored," female unknown.

Exhibit 1 shows by nativity, the number and proportion of brides and degrooms in this State in 1877, according to the returns, and the manner their union by number. It is shown that 71.21 per cent. of all the males

married in 1877 were native-born, 27.53 per cent. were foreign-born, and 1.25 per cent. were of unknown nativity. Of the females, 76.69 per cent. were native-born, 21.57 per cent. were foreign-born, and 1.73 per cent. were of unknown nativity. Of the native-born persons married there was quite an excess of males over females (5.48 per cent.), and the excess of foreign-born males over foreign-born females was 5.96 per cent.

EXHIBIT 1.—*By Nativity, the Number and Per Cent. of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1877, and by number, the manner of their Union by Nativity.*

BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.		Brides, 1877.			Bridegrooms, 1877.	
		Native.	Foreign.	Unknown.	Totals of each Nativity, and of all Nativities.	Per Cent. of each Nativity.
Bridegrooms	Native	6,972	791	77	7,840	71.21
	Foreign	1,437	1,575	19	3,031	27.53
	Unknown	34	9	95	138	1.25
Brides	Whole No. of each nativity and total	8,443	2,375	191	11,009	.....
	Per cent. of each nativity and total	76.69	21.57	1.73	.....	100.00

TABLE VI.—*Exhibiting, by Sex, the Nativity of Persons returned as having been Married in Michigan during the Year 1877.*

NATIVITY.	Marriages, 1877.		Persons Married, 1877.		
			Number.		
	Number.	Per Cent. of Total.	Total.	Males.	Females.
Total	11,009	100.00	22,018	11,009	11,009
Native	6,972	63.33	16,283	7,840	8,443
Foreign	1,575	14.31	5,406	3,031	2,375
Foreign Male and Native Female	1,437	13.05	.....	.....	.....
Foreign Female and Native Male	791	7.18	.....	.....	.....
Unknown	* 234	2.13	329	138	191
One or Both Native	9,311	84.58	.....	.....	.....
One or Both Foreign	3,831	34.80	.....	.....	.....

* Includes cases where nativity of either person was unknown.

Table VII. shows the number of persons married in 1877 at each age under 21 years, and at each period of age for those aged 21 years and over. At the period of age between 21 and 25 years, the proportions of the two sexes are nearer equal than at any other age; and the largest proportion of persons married of each sex were between the ages of 21 and 25 years.

TABLE VII.—*By Sex and Periods of Age, the Number and Per Cent. of Total Number of Persons Married at each Age and Period of Age during the Year 1877; also the Per Cent. of each Sex at each Age and Period of Age to the Total Number of Both Sexes.*

AGES IN YEARS AND PERIODS.	PERSONS MARRIED, 1877.						
	Total Number of Persons Married.	MALES.			FEMALES.		
		Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.	Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.
All ages	22,018	11,009	100.00	50.00	11,009	100.00	50.00
13	3	.....	.....	.....	3	.03	100.00
14	26	.....	.....	.....	26	.24	100.00
15	109	.....	.....	.....	109	.99	100.00
16	686	2	.02	.29	684	6.21	99.71
17	882	9	.08	1.02	873	7.93	98.98
18	1,364	58	.53	4.25	1,306	11.86	95.75
19	1,397	193	1.75	13.86	1,204	10.94	86.18
20	1,634	488	4.43	29.87	1,146	10.41	70.13
21 to 25	6,765	3,920	35.61	57.92	2,845	25.84	42.11
25 to 30	4,618	3,327	30.22	72.05	1,291	11.73	27.96
30 to 35	1,767	1,229	11.16	69.55	538	4.89	30 45
35 to 40	938	586	5.32	62.47	352	3.20	37 53
40 to 45	576	376	3.42	65.28	200	1.82	34.72
45 to 50	422	265	2.41	62.80	157	1.42	37.20
50 to 55	268	186	1.69	69.40	82	.74	30.60
55 to 60	198	132	1.20	66.67	66	.60	33.33
60 to 65	127	94	.85	74.02	33	.30	25 98
65 to 70	79	61	.55	77.22	18	.16	22.78
70 to 75	31	28	.25	90.32	3	.03	9.68
75 to 80	10	10	.09	100.00	.....	.....	.....
80 and over	.....	.....	.....	.....	.....	.....	.....
Unknown	118	45	.41	38.14	73	.66	61.86
Under 15	29	.....	.....	.....	29	.26	100.00
15 to 20	4,438	262	2.38	5.90	4,176	37.93	94.10
20 to 25	8,399	4,408	40.04	52.48	3,991	36.25	47.52

EXHIBIT 2.—*Number of Persons Returned as having been Married in Michigan in 1877, by Sex, and Excess of the Sexes, by Age in Years.*

Ages in Years.	Persons Married in 1877.			Excess.		Ages in Years.	Persons Married in 1877.			Excess.	
	Total.	Males.	Females.	Males.	Females.		Total.	Males.	Females.	Males.	Females.
All ages	22,018	11,009	11,009	.....	.....	46	93	48	45	3	.....
						47	80	53	27	26	.....
13	3	.....	3	.....	3	48	80	49	31	18	.....
14	26	.....	26	.....	26	49	54	36	18	18	.....
15	109	.....	109	.....	109	50	87	56	31	25	.....
16	686	2	684	.....	682	51	46	33	13	20	.....
17	882	9	873	.....	864	52	52	40	12	28	.....
18	1,364	58	1,306	.....	1,248	53	46	31	15	16	.....
19	1,397	193	1,204	.....	1,011	54	37	26	11	15	.....
20	1,634	488	1,146	.....	658	55	54	34	20	14	.....
21	1,871	962	909	53	.....	56	49	33	16	17	.....
22	1,802	973	829	144	.....	57	33	26	7	19	.....
23	1,585	984	601	383	.....	58	31	19	12	7	.....
24	1,507	1,001	506	495	.....	59	31	20	11	9	.....
25	1,276	882	394	488	.....	60	38	29	9	20	.....
26	1,078	780	298	482	.....	61	22	13	9	4	.....
27	919	695	224	471	.....	62	26	19	7	12	.....
28	808	596	212	384	.....	63	22	16	6	10	.....
29	537	374	163	211	.....	64	19	17	2	15	.....
30	563	400	163	237	.....	65	25	21	4	17	.....
31	302	212	90	122	.....	66	20	15	5	10	.....
32	375	272	103	169	.....	67	16	12	4	8	.....
33	281	185	96	89	.....	68	12	8	4	4	.....
34	246	160	86	74	.....	69	6	5	1	4	.....
35	233	167	86	81	.....	70	9	9	.....	9	.....
36	210	137	73	64	.....	71	5	5	.....	5	.....
37	164	97	67	30	.....	72	5	4	1	3	.....
38	185	111	74	37	.....	73	6	4	2	2	.....
39	126	74	52	22	.....	74	6	6	.....	6	.....
40	174	122	52	70	.....	75	3	3	.....	3	.....
41	90	53	37	16	.....	76	2	2	.....	2	.....
42	125	79	46	33	.....	77	1	1	.....	1	.....
43	71	44	27	17	.....	78	2	2	.....	2	.....
44	116	78	38	40	.....	79	2	2	.....	2	.....
45	115	79	36	43	.....	Unk..	118	45	73	.....	28

TABLE VIII.—*Exhibiting for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Married in Michigan during the year ending December 31, 1877.*

STATE AND COUNTIES.	Number of Couples Married, 1877.	Nativity of Persons Married, 1877, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1877.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unkown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
STATE	11,009	6,972	1,575	1,437	791	77	a 19	34	b 9	c95	Total	4,467	8,399	4,618	1,767	938	576	422	268	198	127	79	31	10	----	118
											Males	262	4,408	3,327	1,229	586	376	265	186	132	94	61	28	10	----	45
											Females	4,205	3,991	1,291	538	352	200	157	82	66	33	18	3	----	----	73
Alcona	9	3	4	1	1	------	------	------	------	----	Males	------	3	3	1	2	----	----	----	----	----	----	----	----	----	----
											Females	4	3	1	------	1	----	----	----	----	----	----	----	----	----	----
Allegan	266	193	22	35	15	------	a 1	------	------	----	Males	5	92	82	34	18	11	9	2	4	3	5	1	----	----	----
											Females	104	91	34	5	12	5	6	5	2	1	1	----	----	----	----
Alpena	42	8	24	6	4	------	------	------	------	----	Males	1	12	11	8	5	3	1	1	----	----	----	----	----	----	----
											Females	16	10	6	3	4	----	3	----	----	----	----	----	----	----	----
Antrim	23	9	6	6	2	------	------	------	------	----	Males	1	6	7	5	1	----	1	1	----	----	----	----	----	----	----
											Females	11	7	2	1	----	----	2	----	----	----	----	----	----	----	----
Baraga	7	1	3	3	------	------	------	------	------	----	Males	------	3	3	1	----	----	----	----	----	----	----	----	----	----	----
											Females	1	6	------	------	----	----	----	----	----	----	----	----	----	----	----
Barry	210	171	3	26	10	------	------	------	------	----	Males	5	85	59	28	10	6	7	4	3	----	2	1	----	----	----
											Females	96	72	18	11	3	4	2	1	2	----	1	----	----	----	----
Bay	150	52	48	34	14	1	------	------	1	----	Males	3	45	54	26	8	7	3	2	1	1	----	----	----	----	----
											Females	62	49	17	10	5	3	----	1	----	1	----	----	----	----	2
Benzie	22	17	------	2	3	------	------	------	------	----	Males	1	8	6	4	----	----	1	----	1	----	1	----	----	----	----
											Females	7	9	4	------	----	1	----	1	----	----	----	----	----	----	----
Berrien	356	285	19	28	15	4	------	1	------	4	Males	12	173	86	36	14	12	7	6	4	1	----	3	----	----	2
											Females	140	138	39	17	5	7	4	1	2	1	----	----	----	----	2
Branch	273	237	13	14	7	1	------	1	------	----	Males	4	130	75	30	8	8	2	5	4	3	3	1	----	----	----
											Females	117	99	29	9	7	6	3	----	2	1	----	----	----	----	----
Calhoun	289	220	16	23	17	1	1	5	------	6	Males	14	117	81	27	18	11	6	7	2	4	2	----	----	----	----
											Females	89	122	39	14	13	5	2	2	----	2	1	----	----	----	----

Cass	175	153	3	10	6	1	.....	1	1	....	Males	6	74	44	18	9	7	8	4	2	1	2	....	....	....	....
											Females	63	64	16	12	8	5	5	1	....	1	....	....	....	....	....
Charlevoix	31	17	6	6	2	.....	.....	.....	.....	....	Males	1	4	15	6	1	....	....	2	1	1	....	....	....	....	....
											Females	14	12	1	1	....	....	1	....	2	....	....	....	....	....	....
Cheboygan	45	12	15	9	8	1	.....	.....	.....	....	Males	1	15	17	5	3	2	....	1	....	....	....	....	....	....	1
											Females	27	9	4	1	3	....	....	....	....	....	....	....	....	....	1
Chippowa	23	7	6	5	4	.....	.....	.....	.....	1	Males	.....	10	9	4	....	....	....	....	....	....	....	....	....	....	....
											Females	11	9	3	.....	....	....	....	....	....	....	....	....	....	....	....
Clare	13	7	.....	2	3	1	.....	.....	.....	...	Males	.....	4	8	1	....	....	....	....	....	....	....	....	....	....	....
											Females	7	5	1	.....	....	....	....	....	....	....	....	....	....	....	....
Clinton	173	138	5	12	15	2	.....	.....	.....	1	Males	5	85	52	6	8	6	2	4	2	....	2	....	1	....	....
											Females	78	50	11	8	4	6	2	....	1	1	2	....	....	....	1
Delta	44	10	17	10	7	.....	.....	.....	.....	....	Males	.....	16	16	9	1	....	1	1	....	....	....	....	....	....	....
											Females	22	13	2	4	3	....	....	....	....	....	....	....	....	....	....
Eaton	287	260	2	16	4	3	.....	.....	.....	2	Males	9	123	86	36	14	7	2	5	2	1	2	....	....	....	....
											Females	131	102	25	13	6	3	1	2	2	1	....	....	....	....	1
Emmet	26	19	3	3	.....	.....	.....	.....	.....	1	Males	1	10	4	5	....	3	1	....	1	....	....	1	....	....	....
											Females	10	9	3	.....	....	1	....	2	1	....	....	....	....	....	....
Genesee	350	247	18	54	27	2	.....	.....	.....	2	Males	11	141	105	34	24	13	5	6	4	4	2	....	1	....	....
											Females	129	124	51	18	11	3	2	7	2	1	2	....	....	....	....
Gladwin	4	2	.....	1	.....	.....	.....	.....	.....	[d] 1	Males	.....	.....	4	.....	....	....	....	....	....	....	....	....	....	....	....
											Females	1	2	1	.....	....	....	....	....	....	....	....	....	....	....	....
Gr. Traverse	41	24	6	7	4	.....	.....	.....	.....	....	Males	.....	21	9	4	2	3	1	1	....	....	....	....	....	....	....
											Females	21	9	6	2	....	2	1	....	....	....	....	....	....	....	....
Gratiot	126	98	8	12	7	.....	.....	.....	.....	1	Males	2	70	31	9	6	3	1	2	1	1	....	....	....	....	....
											Females	64	40	10	5	4	....	....	....	3	....	....	....	....	....	....
Hillsdale	329	304	2	11	9	2	.....	.....	.....	1	Males	11	168	82	12	17	10	8	4	7	6	....	3	....	....	1
											Females	135	119	26	16	10	6	4	3	5	2	....	1	....	....	2
Houghton	183	12	131	30	8	.....	2	.....	.....	....	Males	2	63	62	37	6	7	2	1	....	....	....	....	....	....	3
											Females	71	57	28	17	3	....	2	2	....	....	....	....	....	....	3
Huron	109	19	53	21	15	1	.....	.....	.....	....	Males	1	39	48	9	4	2	1	1	2	1	....	....	....	....	1
											Females	50	40	9	1	4	1	....	1	....	....	1	....	....	....	2
Ingham	287	232	12	26	14	.....	.....	3	.....	....	Males	6	117	84	24	12	16	7	8	4	1	2	2	2	....	2
											Females	98	99	37	17	13	10	4	3	2	1	1	....	....	....	2

[a] 1 female "America." [b] 1 male "America." [c] 3 couples "America." [d] 1 couple "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1877.	Nativity of Persons Married, 1877, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1877.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ionia	254	193	5	30	17	3	1	.....	1	4	Males	7	92	83	28	11	13	10	3	4	1	....	1	....	....	1
											Females	105	82	35	7	9	3	2	5	1	1	....	1	....	....	3
Iosco	39	8	15	9	6	.....	.....	.....	.....	1	Males	1	10	15	8	2	1	1	....	....	....	....	....	....	....	1
											Females	10	18	6	2	2	....	....	....	....	....	....	....	....	....	1
Isabella	49	31	2	7	3	1	.....	1	.....	4	Males	2	18	16	4	4	....	3	....	....	....	....	....	....	....	2
											Females	24	16	4	3	....	....	1	....	....	....	....	....	....	....	1
Isle Royal*	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	Males	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....
											Females	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Jackson	395	302	26	42	17	5	1	1	.....	1	Males	8	169	119	47	14	12	9	8	5	2	1	1	....	....	....
											Females	140	162	36	23	16	8	4	3	1	1	....	....	....	....	1
Kalamazoo	249	196	14	26	8	3	.....	.....	.....	2	Males	4	95	84	28	13	10	4	4	2	2	....	3	....	....	....
											Females	87	88	47	9	8	2	5	1	2	....	....	....	....	....	....
Kalkaska	16	7	3	2	1	.....	.....	1	.....	2	Males	.....	6	3	4	2	....	....	....	1	....	....	....	....	....	....
											Females	9	2	2	2	....	....	....	1	....	....	....	....	....	....	....
Kent	517	298	90	77	40	6	.....	3	.....	3	Males	14	209	162	49	24	16	13	11	6	7	4	....	....	....	2
											Females	192	192	57	27	12	12	10	4	6	1	....	....	....	....	4
Keweenaw	25	2	18	5	.....	.....	.....	.....	.....	....	Males	.....	10	7	7	....	1	....	....	....	....	....	....	....	....	....
											Females	13	7	4	.....	1	....	....	....	....	....	....	....	....	....	....
Lake	13	10	1	1	1	.....	.....	.....	.....	....	Males	1	8	1	.....	1	....	....	1	....	1	....	....	....	....	....
											Females	7	2	1	1	1	....	....	1	....	....	....	....	....	....	....
Lapeer	191	89	33	30	36	2	.....	.....	.....	1	Males	5	85	53	18	13	4	2	5	3	2	....	1	....	....	....
											Females	72	74	24	10	2	3	2	1	2	....	1	....	....	....	....
Leelanaw	46	18	14	9	5	.....	.....	.....	.....	....	Males	1	16	9	11	4	....	1	1	1	1	1	....	....	....	....
											Females	17	13	5	3	3	2	1	1	1	....	....	....	....	....	....

Lenawee....	461	335	12	31	12	5	1	1	.....	6	Males....	11	171	105	40	10	15	17	6	3	8	4	5	1	....	5
											Females.	142	145	47	18	15	11	7	2	3	3	1	1	....	....	6
Livingston..	156	132	2	12	7	1	1	.....	.....	1	Males....	1	56	54	13	8	5	4	5	1	2	4	1	1	....	1
											Females.	37	68	30	9	1	2	4	2	1	2	....	....	....	....	....
Mackinac....	17	9	1	4	2	.....	.....	1	.....	....	Males....	.....	12	.....	2	2	....	1	....	....	....	....	....	....	....	....
											Females.	9	6	.....	.....	....	1	1	....	....	....	....	....	....	....	....
Macomb.....	228	128	38	34	27	.....	.....	.....	.....	1	Males....	7	96	66	20	11	7	5	4	3	5	3	....	....	....	1
											Females	86	82	23	13	6	6	9	1	1	....	....	....	....	....	1
Manistee	57	15	30	6	3	.....	.....	.....	b 1	....	Males....	1	16	21	10	5	1	3	....	....	....	....	....	....	....	....
											Females.	13	21	10	5	5	3	....	....	....	....	....	....	....	....	....
Manitou.....	6	2	1	1	2	.....	.....	.....	.....	....	Males....	.....	4	2	.....	....	....	....	....	....	....	....	....	....	....	....
											Females.	3	3	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Marquette..	109	12	58	24	13	.....	1	.....	.....	c1	Males....	3	37	38	20	3	5	1	....	1	1	...	....	....	....	....
											Females.	41	39	17	7	3	....	1	1	....	....	....	....	....	....	....
Mason.....	62	30	6	19	5	.....	2	.....	.....	....	Males....	2	19	18	11	3	1	2	....	5	....	1	....	....	....	....
											Females.	28	14	4	9	2	....	1	1	2	....	1	....	....	....	....
Mecosta.....	88	51	17	14	6	.....	.....	.....	.....	....	Males....	3	32	27	13	6	1	3	1	1	....	....	1	....	....	....
											Females.	34	35	9	4	2	1	1	....	1	1	....	....	....	....	....
Menominee.	32	5	19	7	1	.....	.....	.....	.....	....	Males....	1	8	15	3	2	1	1	....	....	....	....	....	....	....	1
											Females.	11	12	3	4	....	2	....	....	....	....	....	....	....	....	....
Midland.....	37	18	2	11	6	.....	.....	.....	.....	....	Males....	1	9	15	7	1	3	....	....	1	....	....	....	....	....	....
											Females.	22	9	1	3	1	....	1	....	....	....	....	....	....	....	....
Missaukee..	7	1	3	.....	2	.....	.....	.....	.....	1	Males....	.....	.....	4	2	1	....	....	....	....	....	....	....	....	....	....
											Females.	3	2	1	1	....	....	....	....	....	....	....	....	....	....	....
Monroe.....	328	233	28	43	20	2	.....	1	.....	1	Males....	9	124	119	25	19	11	10	3	3	4	1	....	....	....	....
											Females.	126	123	42	14	10	4	5	2	1	....	1	....	....	....	....
Montcalm...	172	123	15	16	13	1	1	1	.....	2	Males....	3	72	51	16	12	5	6	4	....	3	....	....	....	....	....
											Females.	82	46	21	9	2	1	3	1	1	2	....	....	....	....	4
Muskegon...	138	55	40	31	11	.....	.....	.....	.....	1	Males....	3	42	51	21	8	4	3	2	1	1	....	....	....	....	2
											Females.	50	54	21	3	4	1	1	....	1	....	....	....	....	....	3
Newaygo....	87	59	3	14	8	.....	1	.....	.....	2	Males....	3	32	31	8	6	1	3	2	1	....	....	....	....	....	....
											Females.	38	28	9	6	2	1	2	....	....	....	....	....	....	....	1
Oakland.....	514	259	13	27	16	5	.....	5	1	8	Males....	6	122	85	31	23	12	2	5	6	5	4	....	2	....	10
											Females.	99	107	46	18	6	6	11	4	3	1	2	....	....	....	11

a No returns of marriages from county clerk for 1877. b 1 Male "America." c 1 Couple "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1877.	Nativity of Persons Married, 1877, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1877.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oceana	75	54	4	9	7	1					Males	1	29	20	10	4	3	3		2	2	1				
											Females	38	19	4	5	2	1	4		1	1					
Ogemaw	2		1	1							Males			1						1						
											Females	1								1						
Ontonagon	12	3	4	5							Males		4	5	3											
											Females	5	7													
Osceola	77	32	21	13	10			1			Males	3	18	27	9	3	6	6	3	2						
											Females	32	18	9	9	4	3	1	1							
Otsego	1		1								Males		1													
											Females	1														
Ottawa	241	119	58	43	19	1				1	Males	7	96	75	23	9	8	10	6	1	1	2	2			1
											Females	94	96	21	8	6	6	7	1			1				1
Presque Isle											Males															
											Females															
Roscommon	2	2									Males		1	1												1
											Females	1														1
Saginaw	354	128	97	75	45	6	1	1		1	Males	4	127	106	58	33	12	5	6	2	1					
											Females	134	131	40	16	18	2	2	3	2						6
Sanilac	135	26	61	29	18		1				Males	3	63	38	13	5	5	1	2	2	2		1			
											Females	71	44	11	1	2	2	1	1		1					1
Schoolcraft	10	2	1	3	2			1		1	Males		4	5		1										
											Females	6	3	1												
Shiawassee	183	136	12	20	11		1		1	2	Males	2	80	63	16	10	2	3	3	3	1					
											Females	80	68	18	4	5	2	2	2		2					
St. Clair	319	99	93	72	43	3	1	1	2	5	Males	10	139	84	33	20	10	14	3	3		3				
											Females	112	137	36	11	9	4	5	1	1	1	1				1

St. Joseph...	313	267	14	25	7	.....	.....	.....	.....	....	Males....	8	130	71	33	22	20	9	5	6	4	4		....
											Females.	99	116	42	20	17	7	4	4	2	2			....
Tuscola.....	160	66	26	34	31	3	.....	.....	.....	...	Males....	7	67	51	13	6	4	5	4	2		1		....
											Females.	88	44	11	6	5	2	1						1
Van Buren...	237	206	1	18	7	2	1	2	.....	....	Males....	6	113	58	21	13	6	10	4	2	2	2		....
											Females.	100	83	20	7	10	8	5		2				1
Washtenaw.	291	184	38	42	19	4	.....	2	.....	2	Males....	3	107	100	40	17	7	5	4		2			1
											Females.	65	131	54	16	14	4	2		2				3
Wayne.....	628	271	176	93	62	3	1	.....	1	[b] 21	Males....	9	212	210	84	40	27	12	13	7	6	2		6
											Females.	175	258	92	33	26	21	5	4	1				6
Wexford....	43	21	13	8	1	.....	.....	.....	.....	....	Males....	.....	12	15	8	4	....	2		2				....
											Females.	24	8	4	2	2	1	2						....

[a] No returns of marriages from county clerk for 1877. [b] 1 Couple "America."

Table IX. shows, by counties, the number of males and of females who were married in Michigan in 1877 under 21 years of age, according to the returns. An examination of the table will show that 11 males and 138 females were married in this State in 1877 under the legal age, which is eighteen years for males, and sixteen years for females.

TABLE IX.—*Exhibiting, for the State and Counties, the Total Number, and Number of each Sex under 21 years of Age; also the Number of each Sex at each Age under that of 21 years, Returned as having been Married in Michigan during the year ending December 31, 1877.*

STATE AND COUNTIES.	Persons Married Under 21 Years of Age, 1877.			Ages of Males, 1877.					Ages of Females, 1877.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.a	Sixteen.a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.a	Fourteen.a	Thirteen.a
STATE	6,100	749	5,351	487	193	58	9	2	1,146	1,204	1,306	873	684	109	26	3
Alcona	8	2	6	2	....	....	....	....	2	1	1	1	1	....	....	....
Allegan	155	11	144	6	3	1	1	....	40	31	38	19	10	6	....	....
Alpena	20	2	18	1	1	....	....	....	2	2	2	7	4	....	1	....
Antrim	17	2	15	1	1	....	....	....	4	3	3	4	1	....	....	....
Baraga	2	.....	2	....	....	....	....	....	1	1	.....	....	....	....	....	....
Barry	134	14	120	9	3	1	1	....	24	25	24	30	13	3	1	....
Bay	80	8	72	5	3	....	....	....	10	10	20	11	19	1	1	....
Benzie	12	3	9	2	....	....	1	....	2	1	2	2	1	....	1	....
Berrien	225	29	196	17	9	3	....	....	56	46	42	27	21	3	....	1
Branch	176	26	150	22	3	....	1	....	33	40	37	21	18	1	....	....
Calhoun	151	30	121	16	9	5	....	....	32	20	41	11	15	2	....	....
Cass	99	18	81	12	5	1	....	....	18	19	16	16	10	1	....	1
Charlevoix	18	1	17	....	1	....	....	....	3	1	3	6	2	1	1	....
Cheboygan	29	1	28	....	1	....	....	....	1	7	9	6	4	1	....	....
Chippewa	15	.....	15	....	....	....	....	....	4	2	1	6	1	1	....	....
Clare	10	.....	10	....	....	....	....	....	3	.....	1	1	4	1	....	....
Clinton	114	15	99	10	2	3	....	....	21	18	28	16	16	....	....	....
Delta	31	1	30	1	....	....	....	....	8	1	4	3	10	3	1	....
Eaton	184	22	162	13	5	4	....	....	31	41	37	26	23	4	....	....
Emmet	17	3	14	2	1	....	....	....	4	2	3	1	3	....	1	....
Genesee	197	34	163	23	10	1	....	....	34	31	43	29	22	2	2	....
Gladwin	1	.....	1	....	....	....	....	....	.....	.....	.....	....	....	1	....	....
Grand Traverse	23	1	22	1	....	....	....	....	1	5	2	7	5	2	....	....
Gratiot	90	10	80	8	....	2	....	....	16	11	21	11	17	4	....	....
Hillsdale	190	29	161	18	9	2	....	....	26	45	39	27	21	3	....	....
Houghton	92	5	87	3	2	....	....	....	16	16	20	17	13	4	1	....
Huron	66	5	61	4	1	....	....	....	11	8	14	16	9	2	1	....
Ingham	139	15	124	9	6	....	....	....	26	22	30	27	15	3	....	1
[illegible]nia	146	16	130	9	3	4	....	....	25	34	29	13	24	5	....	....
[illegible]	19	3	16	2	1	....	....	....	6	4	1	3	....	1	1	....
[illegible]la	32	2	30	....	1	....	1	....	6	4	4	9	6	1	....	....

[illegible]ot legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), [illegible]), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

TABLE IX.—Continued.—*Persons Married under 21 Years of Age.*

Counties.	Persons Married Under 21 Years of Age, 1877.			Ages of Males, 1877.					Ages of Females, 1877.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Isle Royal[b]																
Jackson	219	27	192	19	3	3			52	44	51	23	20	1	1	
Kalamazoo	127	20	107	16	4				20	36	25	12	11	2		
Kalkaska	10	1	9	1						4	2	1	2			
Kent	272	35	237	21	11	2	1		45	59	60	41	29	2	1	
Keweenaw	14		14						1	1	3	6	3			
Lake	10	2	8	1	1				1	1	2	2	2			
Lapeer	106	14	92	9	5				20	12	26	16	17	1		
Leelanaw	25	4	21	3		1			4	2	5	6	3	1		
Lenawee	236	34	202	23	9		2		40	49	42	30	18	3		
Livingston	57	4	53	3	1				10	10	12	8	5	1		
Mackinac	15	3	12	3					3	2	5		1		1	
Macomb	131	19	112	12	4	2	1		25	25	32	16	12	1		
Manistee	21	3	18	2	1				5	5	4	2	1	1		
Manitou	9	3	6	3					3	1	1		1			
Marquette	55	8	47	5	2	1			6	10	16	7	6	1	1	
Mason	35	4	31	2	2				3	5	9	6	6	2		
Menominee	55	8	47	5	3				13	5	15	4	9	1		
Monroe	14	1	13			1			2	2	2	4	3			
Midland	23	1	22					1		8	4	5	4	1		
Missaukee	4		4						1		1		2			
Muskegon	181	26	155	17	7	2			29	32	49	25	19	1		
Montcalm	100	9	91	6	2	1			9	19	20	15	25	1	2	
Muskegon	76	7	69	4	2	1			19	20	12	10	6	1		
Newaygo	50	7	43	4	2			1	5	7	11	6	11	2	1	
Oakland	155	20	135	14	5	1			38	36	35	17	10	1		
Oceana	51	5	46	4		1			6	7	6	15	12			
Ogemaw[c]	1		1								1					
Ontonagon	6		6						1	2	1	2				
Osceola	40	5	35	2	2	1			3	4	13	6	4	3		
Otsego	1		1									1				
Ottawa	144	19	125	8	6	1			31	22	35	19	17			
Presque Isle[b]																
Roscommon	2	1	1	1									1			

[a] No legal marriages. For law and penalty to persons solemnizing, see sections (4728), (4728), and (4725). Compiled Laws of 1871, pages 146 and 146.
[b] No returns of marriages from county clerk for 1877.
[c] This marriage was in returns for 1876. No returns of marriages from county clerk for 1877.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1877.			Ages of Males, 1877.					Ages of Females, 1877.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Saginaw	187	16	171	12	2	2	....	....	37	44	36	30	20	2	2	....
Sanilac	91	8	83	5	2	1	....	....	12	20	23	19	7	2	....	....
Schoolcraft	7	.....	7	....	....	....	....	....	1	1	3	1	1	....	....	....
Shiawassee	98	7	91	5	2	....	....	....	11	33	19	10	13	4	1	....
St. Clair	185	29	156	19	7	3	....	....	44	38	41	19	11	3	....	....
St. Joseph	159	25	134	17	5	3	....	....	35	37	35	18	9	....	....	....
Tuscola	115	15	100	8	7	....	....	....	12	22	23	22	15	6	....	....
Van Buren	151	20	131	14	3	3	....	....	31	28	22	28	12	6	4	....
Washtenaw	110	10	100	7	3	....	....	....	35	24	23	10	7	1	....	....
Wayne	258	25	233	16	8	1	....	....	58	71	60	30	14	....	....	....
Wexford	26	.....	26	....	....	....	....	....	2	4	4	8	7	1	....	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

MANNER OF UNION BY AGES.

Table X. shows the number of brides and of bridegrooms at each period of age, and the manner of their union. The last column but one to the right contains the number of bridegrooms at each period of age. The number of males married aged under 20 years, as shown in this column, was 262; and 214 of these married females under 20 years of age, 44 married females aged 20 to 25 years, 2 married females aged 25 to 30 years, 1 married a female aged 30 to 35 years, and 1 married a female whose age was unknown, as shown by the headings of the columns, respectively, in which these numbers are found; and thus may the entire table be read. The period of age at which the largest proportion of bridegrooms appears is that from 20 to 25 years, and of the brides, the largest per cent. were under 20 years of age.

TABLE X.—*Exhibiting the Number of each Sex at each Period of Age who were married in Michigan during the Year 1877; the Number of each Sex at each Period of Age who were united to the opposite Sex at each Period of Age; and the Per Cent. of Brides and of Bridegrooms at each Period of Age to Total at All Ages.*

AGES OF MALES, 1877.	AGES OF FEMALES, 1877.															Total Males.	Per Cent. of Grooms at each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk'n.		
Under 20	214	44	2	1	----	----	----	----	----	----	----	----	----	----	1	262	2.38
20 to 25	2,421	1,736	197	32	6	3	----	----	----	----	----	----	----	----	13	4,408	40.04
25 to 30	1,198	1,463	531	88	28	6	1	----	1	----	----	----	----	----	11	3,327	30.22
30 to 35	261	481	260	155	56	9	3	----	----	----	----	----	----	----	4	1,229	11.16
35 to 40	78	158	133	102	78	23	5	5	1	1	----	----	----	----	2	586	5.32
40 to 45	13	57	93	76	67	43	18	6	----	----	1	----	----	----	2	376	3.42
45 to 50	7	27	45	47	46	40	35	13	4	----	----	----	----	----	1	265	2.41
50 to 55	6	11	13	25	35	33	39	15	8	----	1	----	----	----	----	186	1.69
55 to 60	4	7	5	5	17	24	29	16	20	3	----	----	----	----	2	132	1.20
60 to 65	1	1	3	4	16	10	15	15	14	11	4	----	----	----	----	94	.85
65 to 70	------	1	4	2	2	5	10	10	9	12	6	----	----	----	----	61	.55
70 to 75	------	------	2	1	1	4	2	1	6	5	4	2	----	----	----	28	.26
75 to 80	------	1	1	----	----	----	----	1	3	1	2	1	----	----	----	10	.09
80 and over	------	------	------	----	----	----	----	----	----	----	----	----	----	----	----	------	------
Unknown	2	4	2	----	----	----	----	----	----	----	----	----	----	----	37	45	.41
Total Females	4,205	3,991	1,291	538	352	200	157	82	66	33	18	3	----	----	73	11,009	------
Per Ct. of Brides at each age	38.19	36.25	11.73	4.89	3.20	1.82	1.43	.74	.60	.30	.16	.03	----	----	.66	------	100.00

GREAT DIFFERENCES IN AGES OF PERSONS MARRIED.

Some of the marriages in this State in 1877 were of persons between whose ages there was an unusual disparity, as may be seen by examining Table XI., immediately following. The greatest disparity of age among those marriages where the bridegroom was the older was 53 years, as shown for Livingston county, the age of the bridegroom being 77 years, and the age of the bride being 24 years; and the greatest disparity of age among marriages where the bride was the older was 27 years, as shown for Hillsdale county, the age of the bridegroom being 28 years, and the age of the bride being 55 years.

XI.—*Marriages with Great Disparity of Ages, in Michigan during the Year ending December 31, 1877, according to the Returns.*

COUNTIES.	BRIDEGROOM OLDEST,—1877.					BRIDE OLDEST,—1877.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Allegan	Real Estate Dealer	New York	New York	53	19					
Alpena	Sailor	New York	Michigan	48	21	Laborer	Norway	Norway	22	35
Baraga	Salesman	Canada	Michigan	34	19					
Barry	Farmer	Switzerland	Indiana	51	19	Farmer	Ohio	New York	41	53
Bay	Sailor	Scotland	Michigan	32	16	Laborer	England	Canada	29	40
Benzie	Farmer	Ohio	New York	45	16					
Berrien	Banker	Connecticut	Michigan	61	22					
Branch	Farmer	Vermont	Ohio	66	28	Farmer	Indiana	New York	20	40
Calhoun	Farmer	New York	Michigan	67	37	Farmer	Michigan	Michigan	24	36
Cass	Farmer	New York	New York	58	23	Student	Indiana	New York	24	32
Charlevoix	Farmer	New Brunswick	Ohio	32	15					
Cheboygan	Merchant	Canada	Canada	52	19					
Clare	Farmer	New York	New York	a 32	a 16					
Clinton	Farmer	New York	New York	47	27					
Eaton	Farmer	Vermont	Michigan	65	26	Shoe-maker	New York	Scotland	25	40
Emmet	Farmer	Unknown	Unknown	55	27					
Genesee	Barber	New York	New York	b 52	b 20	Teamster	Denmark	Maine	24	40
G'd Traverse	Farmer	Ohio	Michigan	46	17					
Gratiot	Farmer	Ohio	Michigan	54	16					
Hillsdale	Farmer	New York	Ohio	56	25	Day Laborer	Massachusetts	Pennsylvania	28	55
Huron	Farmer	Canada	Canada	56	17					
Ingham	Farmer	New York	New York	68	26	Photographer	England	Canada	27	42
Ionia	Farmer	Yew York	New York	57	19	Farmer	Ohio	New York	41	52
Jackson	Farmer	New York	Michigan	60	28	Gardener	England	Denmark	24	38
Kalamazoo	Farmer	New York	New York	62	29					
	Unknown	Indiana	Ohio	74	25					
Kent	Farmer	Ireland	Michigan	53	16	Cabinet-maker	Scotland	New York	37	50
Keweenaw	Wood-chopper	Canada	Canada	32	17					

Lapeer	Farmer	Canada	Michigan	52	22					
Leelanaw	Carriage-maker	New York	Canada	60	34	Blacksmith	Indiana	Ohio	23	36
Lenawee	Farmer	Massachusetts	New York	74	30	Painter	Canada	New Jersey	29	45
Livingston	Farmer	New York	Michigan	77	24					
Mackinac	Boat-builder	Michigan	Michigan	35	14					
Macomb	Manufacturer	New York	Michigan	67	27	Miller	Maine	New York	31	49
Manistee						Workman	Denmark	Denmark	24	35
Marquette	Laborer	Ireland	England	45	24					
Mason	Farmer	England	Pennsylvania	55	20	Farmer	Ohio	New York	23	32
Mecosta	Hotel-keeper	Sweden	Norway	48	20					
Midland	Farmer	Massachusetts	New York	58	19	Farmer	New York	England	16	30
Missaukee	Farmer	Not given	Not given	39	16					
Monroe	Farmer	Michigan	Michigan	60	33	Farmer	Not given	Not given	18	27
Montcalm	Farmer	New Jersey	Indiana	64	17	Farmer	Michigan	New York	27	36
Muskegon	Machinist	Scotland	Germany	53	22					
Newaygo	Farmer	New York	Michigan	50	30	Farmer	Michigan	Pennsylvania	22	32
Oakland	Clergyman	Michigan	Michigan	78	28	Miller	England	New York	44	66
Oceana	Farmer	New York	Michigan	56	21					
Osceola	Farmer	New York	Iowa	48	23	Blacksmith	Pennsylvania	Ohio	29	38
Ottawa	Laborer	Sweden	Sweden	49	18	Book-keeper	Holland	Holland	30	41
Saginaw	Farmer	Wurtemberg	Mecklenberg	56	28	Farmer	Germany	Germany	38	50
Sanilac	Farmer	New York	Ireland	71	28					
Shiawassee	Foundryman	Ohio	New York	47	24	Laborer	New York	Ohio	37	60
St. Clair	Mason	England	Michigan	49	16	Farmer	Ontario	Ontario	27	37
St. Joseph	Carpenter	Pennsylvania	Pennsylvania	50	18	Farmer	Indiana	Ohio	21	34
Tuscola	Carpenter	Canada	Canada	52	27					
Van Buren	Farmer	New York	Wisconsin	54	19	Farmer	West Virginia	Unknown	25	39
Washtenaw	General Business	New York	Vermont	56	24	Farmer	Michigan	New York	24	40
Wayne	Gentleman	England	Michigan	65	24	Farmer	Pennsylvania	Ohio	[c] 39	[c] 57
Wexford	Farmer	Canada	Indiana	55	17	Farmer	Canada	Canada	26	37

[a] Color unknown. [b] Black. [c] Colored.

TABLE XII.—*Exhibiting, for the State and Counties, the Number of Marriages in Michigan during each of the Years 1872 to 1877, inclusive, Returned previous to February 1, 1879; for the Years 1873, 1874, 1875, and 1876, the Number as first Returned, and the Number Returned since Compilation; the Number of Inhabitants in 1874; the Number of Inhabitants in 1874 to 1 Marriage in 1877, and the Per Cent. of Marriages in 1877 to Inhabitants in 1874.*

STATE AND COUNTIES.	MARRIAGES.														Population, 1874, Represented by Marriages in 1877.	Number of Inhabitants in 1874 to one Marriage in 1877.	Per Cent. of Marriages in 1877 to Population in 1874.
	1872.	1873.			1874.			1875.			1876.			1877.			
	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number Returned.			
STATE	10,752	10,574	1,299	11,873	11,041	1,170	12,211	11,055	648	11,703	10,858	752	11,610	11,009	1,332,005	121	.83
Alcona	8	4	3	7	10	.....	10	13	.....	13	5	1	6	9	1,214	135	.74
Allegan	251	242	8	250	277	1	278	298	.....	298	306	.....	306	266	32,381	122	.82
Alpena	58	42	.....	42	58	4	62	36	11	47	41	1	42	42	4,807	114	.87
Antrim	20	42	.....	42	30	.....	30	13	.....	13	24	.....	24	23	3,002	131	.77
Baraga	.....	.....	.....	.....	.....	.....	.....	9	.....	9	11	.....	11	7	a	.....	.....
Barry	156	184	1	185	176	3	179	172	15	187	193	12	205	210	22,051	105	.95
Bay	176	150	6	156	203	7	210	196	3	199	174	7	181	150	24,832	166	.60
Benzie	14	23	1	24	17	.....	17	34	.....	34	32	.....	32	22	2,663	121	.83
Berrien	419	329	105	434	304	122	426	388	.....	388	471	6	477	356	35,029	98	1.02
Branch	259	232	3	235	309	.....	309	301	2	303	281	.....	281	273	25,726	94	1.06
Calhoun	355	283	13	296	341	13	354	343	4	347	264	15	279	289	35,655	123	.81
Cass	211	204	22	226	202	11	213	180	15	195	202	11	213	175	20,525	117	.85
Charlevoix	19	17	.....	17	23	.....	22	21	.....	21	25	.....	25	31	2,360	76	1.31
Cheboygan	7	23	.....	23	20	3	23	16	.....	16	23	.....	23	45	3,070	68	1.47

	7	10	.....	10	6	.....	6	12	.....	12	10	1	11	23	2,170	94	1.06
	2	18	.....	15	6	.....	6	19	.....	19	7	.....	7	13	1,354	104	.96
	194	144	57	201	160	46	206	195	3	198	199	1	200	178	23,661	137	.73
	45	.....	47	47	38	.....	38	22	.....	22	27	.....	27	44	4,741	108	.93
	240	179	36	215	228	54	282	247	23	270	259	15	274	287	26,907	94	1.07
[illegible]	9	5	.....	5	23	.....	23	13	.....	13	21	.....	21	26	1,272	49	2.04
Genesee	292	209	104	313	314	2	316	331	10	341	330	23	353	350	34,568	99	1.01
Gladwin	.....	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	.....	4	265	66	1.51
Grand Traverse	33	31	1	32	34	6	40	53	7	60	61	1	62	41	5,349	130	.77
Gratiot	90	121	19	140	90	14	104	141	.....	141	93	18	111	126	13,686	110	.91
Hillsdale	364	308	32	340	404	16	420	370	13	383	358	14	372	329	31,566	96	1.04
Houghton	106	191	.....	191	136	.....	136	115	7	122	136	.....	136	183	a 19,030	104	.96
Huron	87	90	.....	90	78	.....	78	111	1	112	129	.....	129	109	11,964	110	.91
Ingham	229	269	19	288	281	2	283	309	28	337	269	11	280	287	29,193	102	.98
Ionia	268	293	4	296	248	30	278	252	14	266	268	2	270	254	28,376	112	.90
Iosco	46	46	2	48	21	.....	21	22	.....	22	17	.....	17	39	4,575	117	.85
Isabella	44	31	7	38	50	12	62	51	1	52	53	3	56	49	6,059	124	.81
Isle Royal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b	.....	.....	.....
Jackson	313	281	40	321	363	14	377	327	29	356	330	25	355	395	37,988	96	1.04
Kalamazoo	348	290	17	307	302	17	319	303	9	312	250	16	266	240	32,2[illegible]4	130	.77
Kalkaska	5	4	.....	4	9	.....	9	7	.....	7	11	.....	11	16	1,259	79	1.27
Kent	556	588	18	606	520	110	630	634	14	648	487	106	593	517	62,671	121	.82
Keweenaw	12	26	.....	26	35	.....	35	32	1	33	40	.....	40	25	5,411	216	.46
Lake	8	11	.....	11	14	.....	14	14	.....	14	10	2	12	13	1,813	139	.72
Lapeer	162	187	3	190	194	4	198	193	2	195	195	1	196	191	25,140	132	.76
Leelanaw	31	42	2	44	42	4	46	33	.....	33	35	.....	35	46	5,031	109	.91

a Population of Baraga county is included in statement of population of Houghton county and cannot be ascertained.
b No returns of Marriages from county clerk for 1877.

TABLE XII.—CONTINUED.—*Marriages Corrected by Counties.*

Counties.	Marriages.														Population, 1874, Represented by Marriages in 1877.	Number of Inhabitants in 1874 to one Marriage in 1877.	Per Cent. of Marriages in 1877 to Population in 1874.
	1871.	1872.			1874.			1875.			1876.			1877.			
	Number Returned previous to Feb. 1, 1872.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1873.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number as first Returned and Compiled.	Number Re. turned since first Compilation.	Number Returned previous to Feb. 1, 1879.	Number Returned.			
[illegible]	509	454	61	515	441	50	491	440	41	481	389	37	426	401	46,084	115	.87
[illegible]	109	134	.....	134	151	2	153	153	4	157	140	4	144	156	20,329	130	.77
[illegible]	14	6	2	8	26	.....	26	11	2	13	11	.....	11	17	1,496	88	1.14
[illegible]	158	209	14	214	180	65	245	192	13	205	232	1	233	228	28,305	124	.81
[illegible]	51	57	12	139	67	2	69	71	.....	71	76	.....	76	57	8,471	149	.67
[illegible]	3	2	.....	2	8	.....	8	.....	.....	.....	.....	.....	.....	6	657	110	.91
[illegible]	199	267	17	284	206	9	215	138	2	140	99	7	106	109	21,946	201	.50
[illegible]	39	44	8	44	37	.....	37	44	8	52	51	2	53	62	5,361	86	1.16
[illegible]	95	95	.....	95	87	2	89	83	.....	83	88	2	90	88	9,132	104	.96
[illegible]	17	22	.....	22	19	.....	19	29	.....	29	29	.....	29	32	3,490	109	.92
[illegible]	21	49	1	50	23	.....	23	38	1	39	23	.....	23	37	4,765	129	.78
[illegible]	4	4	.....	4	2	.....	2	5	.....	5	3	.....	3	7	606	87	1.16
[illegible]	249	236	13	249	246	64	310	307	1	308	285	26	311	328	30,111	92	1.09
[illegible]	140	171	6	177	165	27	192	164	33	197	156	40	196	172	20,815	121	.83
[illegible]gon	168	187	2	189	158	7	165	143	14	157	162	15	177	138	19,375	140	.71
Newaygo	69	81	4	85	86	2	88	86	.....	86	78	.....	78	87	8,758	101	.99
Oakland	209	239	17	256	273	26	299	310	8	318	325	11	336	314	38,082	121	.82
Oceana	57	31	12	43	77	2	79	69	.....	69	68	.....	68	75	8,360	111	.90

St. Joseph...	313	267	14	25	7	.....	.....	.....	.....	....	Males....	8	130	71	33	22	20	9	5	6	4	4			....	
											Females.	99	116	42	20	17	7	4	4	2	2				....	
Tuscola.....	160	66	26	34	31	3	.....	.....	.....	...	Males....	7	67	51	13	6	4	5	4	2		1			....	
											Females.	88	44	11	6	5	2		1	1						1
Van Buren..	237	206	1	18	7	2	1	2	.....	....	Males....	6	113	58	21	13	6	10	4	2	2	2			....	
											Females.	100	83	20	7	10	8	5	1							1
Washtenaw.	291	184	38	42	19	4	.....	2	.....	2	Males....	3	107	100	40	17		5	4		2					1
											Females.	65	131	54	16	14	4	2		2						3
Wayne.....	628	271	176	93	62	3	1	.....	1	b 21	Males....	9	212	210	84	40	27	12	13		6	2		....		6
											Females.	175	258	92	33	26	21	5	4					....		6
Wexford....	43	21	13	8	1	.....	.....	.....	.....	....	Males....	.....	12	15	8	4		2		2				....		....
											Females.	24	8	4	2	2		2						....		....

a No returns of marriages from county clerk for 1877. b 1 Couple "America."

Table IX. shows, by counties, the number of males and of females who were married in Michigan in 1877 under 21 years of age, according to the returns. An examination of the table will show that 11 males and 138 females were married in this State in 1877 under the legal age, which is eighteen years for males, and sixteen years for females.

EXHIBIT D.—*Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.*

COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.		COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.
Austria	.....	117	Taken from "Statistics of Minnesota for 1869."	Minnesota [a]	1870	116
Bavaria	.....	160		Massachusetts [b]	1870	99
Belgium	.....	122		Massachusetts [b]	1871	95
Denmark	.....	129		Massachusetts [b]	1872	95
England	.....	122		Massachusetts [b]	1873	96
Finland	.....	141		Massachusetts [b]	1874	106
France	.....	122		Massachusetts	1875	121
Greece	.....	174		Massachusetts	1876	133
Holland	.....	129		Massachusetts	1877	136
Norway	.....	124		New Jersey [c]	1870	135
Prussia	.....	106		New York City [d]	1869	108
Russia	.....	111		New York City [e]	1870	118
Saxony	.....	107		Michigan [f g]	1869	108
Spain	.....	141		Michigan [f]	1870	121
Sweden	.....	135		Michigan [f g]	1871	117
United States	1860	122		Michigan [f g]	1872	121
New York	1860	135		Michigan [f g]	1873	114
Massachusetts	1865	97		Michigan [f g]	1874	116
Ohio	.....	105		Michigan [f h]	1874	109
Minnesota	1860	110		Michigan [f i]	1875	119
Minnesota	1868	107		Michigan [f i]	1876	126
				Michigan [f i]	1877	139

[a] Taken from Statistics of Minnesota for 1870.
[b] Taken from Registration Report of Massachusetts for 1877, page 19.
[c] There were 16 Townships from which no returns of marriages were received. Computed from data in Registration Report of New Jersey for 1870.
[d] Computed from data in Report of Metropolitan Board of Health for 1869.
[e] Computed from data in Report of Board of Health, of Health Department, for 1870.
[f] Marriages corrected, for additional returns, up to Feb. 1, 1879.
[g] Population estimated from Censuses of 1860 and 1870.
[h] Population as per Census of Michigan, 1874.
[i] Population estimated from Censuses of 1864 and 1874.

DEATHS, 1877.

The tables and exhibits of deaths for 1877, compiled in the State Department from the returns of the county clerks, show that 12,919 deaths occurred in Michigan in 1877. The number returned for each of the years 1872–1877 may be seen in Table I. immediately following.

The average number of deaths for each of certain specified periods of time, as returned and as corrected for omissions in the enumeration, including unknown month, is as follows:

PERIODS OF TIME.	Deaths as Returned.	Corrected as per Exhibit C, 4th line.
Per quarter	3,229.75	4,585.25
Per month	1,076.58	1,528.42
Per week	248.44	352.71
Per day	35.39	50.25

THE DEATH-RATE IN MICHIGAN.

The following tabular exhibit shows the death-rate in Michigan for the year 1877. The deaths corrected for omissions probably show the correct death-rate, which is 1.38 per cent., or 13.8 per thousand of the inhabitants.

	Inhabitants in 1874 Represented by Deaths in 1877.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent. of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total	1,321,160	12,919	18,285	.98	1.38

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Table I. shows the number and per cent. of deaths by quarters of the year. The largest proportion is shown for the quarter ending with September, the smallest for the quarter ending with March. This is true of the returns of deaths for each year thus far compiled.

TABLE I.—*Deaths in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent. of Total, Returned for each of the Years 1872 to 1877, inclusive.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1872.		1873.		1874.		1875.		1876.		1877.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
Totals.....	13,371	100.00	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00
March.....	2,299	17.19	3,211	22.52	2,246	17.97	2,679	22.34	2,460	19.56	2,599	20.12
June.....	2,934	21.94	3,335	23.39	3,039	24.31	2,838	23.63	2,803	22.29	2,829	21.90
September....	4,441	33.21	4,182	29.33	3,870	30.96	3,334	27.81	4,009	31.88	3,999	30.95
December....	3,667	27.43	3,461	24.28	3,290	26.39	3,073	25.62	3,273	26.02	3,436	26.60
Unknown....	30	.22	69	.48	46	.37	71	.59	31	.25	56	.43
Average.....	3,342.75	25.00	3,564.50	25.00	3,125.00	25.00	2,997.50	25.00	3,144.00	25.00	3,229.75	25.00

In Table II. may be studied the relation of the months, as regards number of deaths. The largest number of deaths occurred in August in each of the years 1872–1877, except in 1874. In 1877, only four months show as much as the monthly average proportion of deaths,—August, September, October, and December; and during these four months 41.30 per cent. of all the deaths in 1877 occurred, according to the returns.

TABLE II.—*Deaths Returned as having Occurred in Michigan, Exhibiting the Number and Per Cent. of Total for each of the Years 1872 to 1877, inclusive, the months arranged in order by Number of Deaths, the Greatest Number first.*

ORDER.	1872.			1873.			1874.			1875.			1876.			1877.		
	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.
	Year....	13,371	100.00	Year...	14,258	100.00	Year...	12,500	100.00	Year...	11,990	100.00	Year...	12,576	100.00	Year...	12,919	100.00
1	Aug....	1,738	13.00	Aug....	1,535	10.77	Sept...	1,517	12.14	Aug....	1,222	10.19	Aug...	1,507	11.98	Aug...	1,559	12.07
2	Sept....	1,653	12.36	Sept...	1,471	10.32	Aug...	1,388	11.10	Sept...	1,219	10.17	Sept...	1,423	11.32	Sept...	1,400	10.84
3	Oct....	1,321	9.88	Oct....	1,258	8.83	Oct....	1,211	9.69	Oct....	1,080	9.01	Dec....	1,153	9.17	Oct.....	1,221	9.45
4	Dec....	1,288	9.63	Mar....	1,248	8.75	Dec....	1,120	8.96	Dec....	1,065	8.88	Oct....	1,131	8.99	Dec....	1,155	8.94
5	April..	1,140	8.53	July...	1,176	8.25	April..	1,102	8.81	Mar....	1,045	8.72	July...	1,079	8.58	Nov....	1,060	8.20
6	Nov....	1,058	7.91	April..	1,174	8.23	May...	1,071	8.57	May...	1,022	8.52	Nov....	989	7.86	July...	1,040	8.05
7	July...	1,050	7.85	Dec....	1,136	7.97	Nov....	968	7.74	April..	1,003	8.37	April..	978	7.78	Mar....	990	7.66
8	May...	979	7.32	May...	1,121	7.87	July...	965	7.72	Nov....	928	7.74	Mar....	975	7.75	April..	978	7.57
9	Mar....	941	7.04	Feb....	1,104	7.74	Mar....	919	7.35	Feb....	898	7.49	May...	970	7.71	May...	976	7.55
10	June...	815	6.10	Nov....	1,067	7.49	June...	866	6.93	July...	893	7.45	June...	855	6.80	June...	875	6.77
11	Feb....	756	5.65	June...	1,040	7.30	Feb....	672	5.38	June...	808	6.74	Feb....	800	6.36	Feb....	843	6.53
12	Jan....	602	4.50	Jan....	859	6.02	Jan....	655	5.24	Jan....	736	6.14	Jan....	685	5.45	Jan....	766	5.93
	Unk....	30	.02	Unk....	69	.48	Unk....	46	.37	Unk....	71	.59	Unk....	31	.25	Unk....	56	.43
	Av.....	1,114.25	8.33	Av.....	1,188.17	8.33	Av.....	1,041.67	8.33	Av.....	999.17	8.33	Av.....	1,048.00	8.33	Av.....	1,076.58	8.33

Table III. contains data concerning the proportion of the males and of the females returned as having died in this State in 1877. In each month of the year there was an excess of males; and there were 113.03 males to 100 females, taking the year through. The largest number of males to 100 females appears for the month of July, the smallest for February.

TABLE III.—*Number and Per Cent. of Deaths of Males and of Females from all Causes, as Returned, by Months.* (*Unknown sex excluded.*)

YEAR AND MONTHS, 1877.	No. of Deaths, as Returned, 1877.		Per Cent. of each Sex to Total of both Sexes.			Males to 100 Females.
	Males.	Females.	Males.	Females.	Excess of Males.	
Year 1877	6,827	6,040	53.06	46.94	6.12	113.03
January	408	355	53.47	46.53	6.94	114.93
February	427	415	50.71	49.29	1.42	102.89
March	525	457	53.46	46.54	6.92	114.88
April	542	435	55.48	44.52	10.96	124.60
May	495	475	51.03	48.97	2.06	104.21
June	466	407	53.38	46.62	6.76	114.50
July	565	471	54.54	45.46	9.08	119.96
August	819	738	52.60	47.39	5.21	110.98
September	746	648	53.52	46.48	7.04	115.12
October	634	585	52.01	47.99	4.02	108.38
November	550	500	52.38	47.62	4.76	110.00
December	623	527	54.17	45.83	8.34	118.22
Unknown	27	27	50.00	50.00	.....	100.00

In Exhibit A the deaths are equalized to months of uniform length.

EXHIBIT A.—*Decedents of each Sex, and Total Number of Deaths, in Michigan during the Year 1876, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent. of Deaths in each Month to Total Deaths during the Year; and Per Cent. and Excess of Per Cent. of Deaths of each Sex to Total of both Sexes.*

YEAR AND MONTHS, 1877.	Number of Deaths, as Equalized, 1877.[a]				Per Ct. of Deaths in each Month to Total during the Year.				Per Ct. of each Sex to Total of Both Sexes, Unknown Sex Excluded.		
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.	Males.	Females.	Excess of Males.
Year 1877..	[a] 12,917	6,826	6,039	52	100.00	100.00	100.00	100.00	53.06	46.94	6.12
January ...	753	401	349	3	5.83	5.87	5.78	5.77	53.47	46.53	6.94
February ..	916	464	451	1	7.09	6.80	7.47	1.92	50.71	49.29	1.42
March.....	973	516	449	8	7.53	7.56	7.44	15.38	53.47	46.53	6.94
April.....	992	550	441	1	7.68	8.06	7.30	1.92	55.50	44.50	11.00
May.....	958	486	466	6	7.42	7.12	7.72	11.54	51.05	48.95	2.10
June.....	888	473	413	2	6.87	6.93	6.84	3.85	53.39	46.61	6.78
July.....	1,021	555	462	4	7.90	8.13	7.65	7.69	54.57	45.43	9.14
August.....	1,531	804	725	2	11.85	11.78	12.01	3.85	52.58	47.42	5.16
September.	1,421	757	658	6	11.00	11.09	10.90	11.54	53.50	46.50	7.00
October....	1,199	623	574	2	9.28	9.13	9.50	3.85	52.05	47.95	4.10
November..	1,075	558	507	10	8.32	8.17	8.40	19.23	52.39	47.61	4.78
December .	1,134	612	517	5	8.78	8.97	8.56	9.62	54.21	45.79	8.42
Unknown..	56	27	27	2	.43	.40	.45	3.85	50.00	50.00	.....
Average ..[b]	1,071.75	566.58	501.00	4.17	8.30	8.30	8.30	8.01	.....	.....	.....

[a] Two deaths lost in equalizing,—one male and one female.
[b] Unknown month excluded.

EXHIBIT B.—*Months arranged in Order by Number of Deaths,—those having the greatest Number first,—in Massachusetts for the Years 1875, 1876, and 1877; in Michigan for the Census Year ending June 1, 1870, by the U. S. Census and by the State Registration Returns, for each of the Years 1870 to 1877, inclusive, as per Registration Returns, and for each of the Years 1870 to 1877, inclusive, Corrected for Omissions in Enumeration; also, in Rhode Island for the Years 1875, 1876, and 1877.*

Order.	Massachusetts, Including Still-births.			Michigan for Census Year Ending June 1, 1870.		Michigan, as per Registration Returns, Including Still-births.								Michigan, Corrected for Omissions in Enumeration, Including Still-births.								Rhode Island Excluding Still-births.		
	1875.	1876.	1877.	Returned by Census Marshals.	Registration Returns.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1875.	1876.	1877.
1	Aug.	Aug.	Aug.	Mar.	Sept.	Aug.	Aug.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.
2	Sept.	July.	Sept.	May.	Aug.	Sept.	Sept.	Sept.	Sept.	Aug.	Sept.	Sept.	Sept.	Sept.	Sept.	Sept.	Mar.	Aug.	Mar.	Sept.	Sept.	Sept.	July.	Aug.
3	Jan.	Mar.	July	Aug.	Oct.	Oct.	Dec.	Oct.	Oct.	Oct.	Oct.	Dec.	Oct.	July.	Mar.	Apr.	Sept.	Apr.	Sept.	Mar.	Oct.	Feb.	Dec.	Oct.
4	Feb.	Jan.	Mar.	Sept.	Dec.	July.	Oct.	Dec.	Mar.	Dec.	Dec.	Oct.	Dec.	Oct.	Dec.	Oct.	Apr.	May.	Apr.	July.	Mar.	Jan.	Mar.	July.
5	July.	Sept.	Oct.	Apr.	Mar.	Nov.	Nov.	April	July.	Apr.	Mar.	July.	Nov.	Mar.	Oct.	Mar.	Feb.	Oct.	May.	Apr.	Apr.	Dec.	Sept.	Dec.
6	Dec.	Apr.	Jan.	Feb.	May	Dec.	July.	Nov.	Apr.	May.	May.	Nov.	July.	J'ne.	May.	May.	May.	Mar.	Feb.	May.	July.	Nov.	Oct.	Nov.
7	May.	Feb.	April	Oct.	July.	J'ne.	Mar.	July.	Dec.	Nov.	Apr.	Apr.	Mar.	Apr.	Apr.	July.	July.	July.	Oct.	Oct.	May.	July.	May.	Mar.
8	Mar.	Oct.	Nov.	Dec.	Nov.	Mar.	May.	May.	May.	July.	Nov.	Mar.	Apr.	Nov.	July.	Dec.	Oct.	Dec.	Dec.	Dec.	Dec.	Mar.	Apr.	May.
9	Apr.	Dec.	Dec.	Jan.	April.	May.	Apr.	Mar.	Feb.	Mar.	Feb.	May.	May.	May.	Feb.	Nov.	J'ne.	J'ne.	July.	Feb.	Feb.	Oct.	Feb.	Jan.
10	Oct.	May.	May.	July.	June.	Apr.	J'ne.	J'ne.	Nov.	J'ne.	July.	J'ne.	J'ne.	Dec.	Nov.	Feb.	Jan.	Nov.	Jan.	J'ne.	Nov.	May.	Jan.	Apr.
11	Nov.	Nov.	Feb.	Nov.	Feb.	Feb.	Feb.	Feb.	J'ne.	Feb.	J'ne.	Feb.	Feb.	Feb.	Jan.	J'ne.	Dec.	Jan.	J'ne.	Nov.	Jan.	Apr.	Nov.	J'ne.
12	J'ne.	J'ne.	J'ne.	June.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	J'ne.	Jan.	Nov.	Feb.	Nov.	Jan.	J'ne.	J'ne.	J'ne.	Feb.

EXHIBIT C.—*Deaths in Michigan during the Year 1877, as Returned, as Corrected for Omissions in Enumerating, the same Equalized for Increase of Population during the Year covered by the Returns, and the Deaths as thus Corrected and Equalized for the several Months, Equalized to Months of a uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached.*

	Totals	Months, 1877.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	[a] 12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	67.19	62.99	58.79	54.59	50.39	46.19	41.99	37.79	33.59	29.39	25.19	20.99
Number of deaths to be added for above correction	5,422	515	531	582	534	492	404	437	589	470	359	267	242
Deaths, if enumerated in months of occurrence	18,285	1,281	1,374	1,572	1,512	1,468	1,279	1,477	2,148	1,870	1,580	1,327	1,397
Per cent. of deaths to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Deaths to be added to equalize them to population at close of year	408	54	53	55	48	41	31	31	38	26	17	9	5
Deaths, as corrected, equalized to population at close of year	18,693	1,335	1,427	1,627	1,560	1,509	1,310	1,508	2,186	1,896	1,597	1,336	1,402
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+ 44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	+ 14	—24	+ 124	—29	+ 23	—27	+ 19	—27	—39	+ 28	—29	+ 20	—25
Deaths, corrected and equalized, equalized to months of uniform length	18,707	1,311	1,551	1,598	1,583	1,482	1,329	1,481	2,147	1,924	1,568	1,356	1,377

[a] Excluding 56 in unknown month.

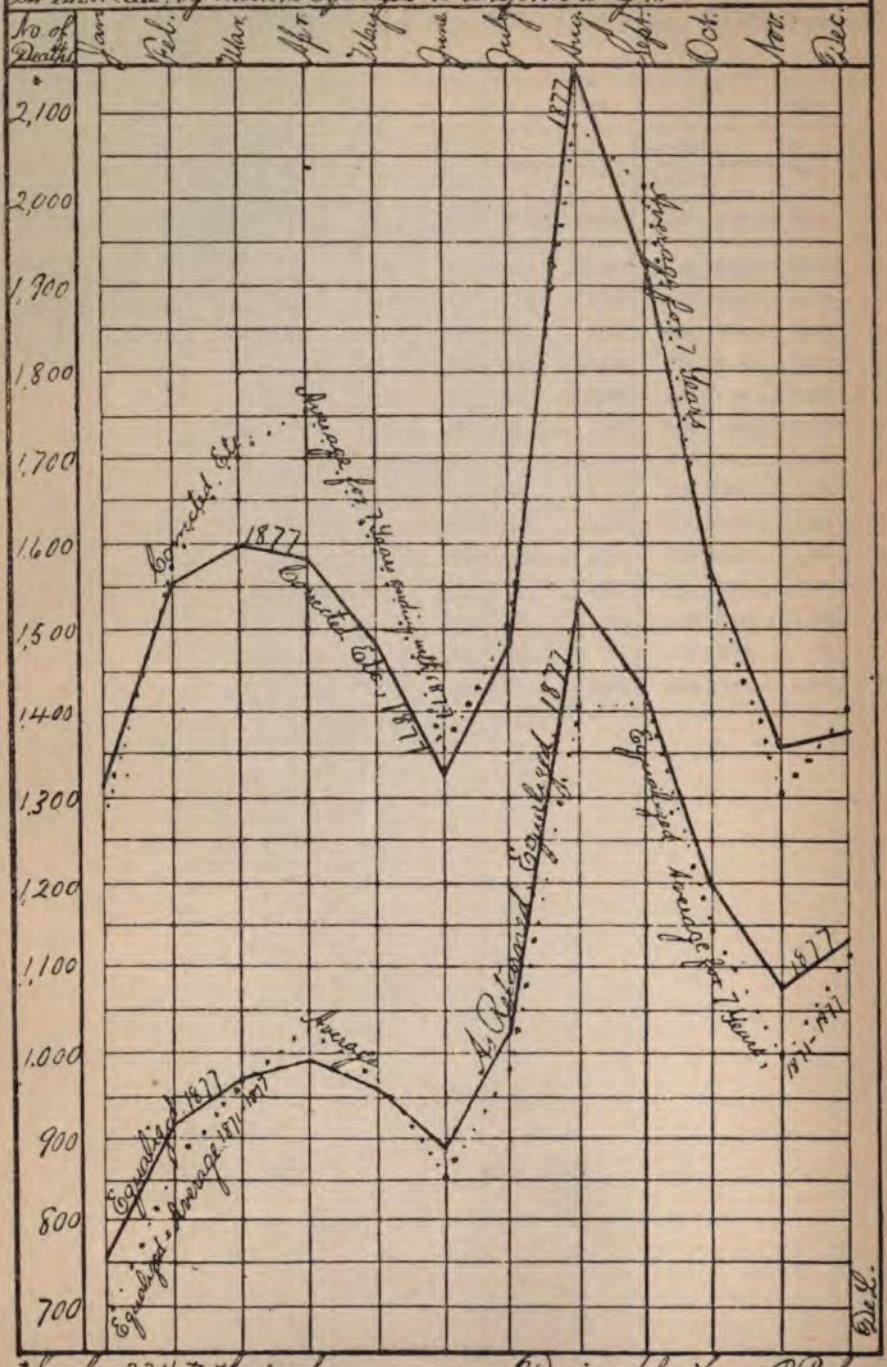
EXHIBIT D.—*Deaths during the Years 1874 to 1877, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

Order.	1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	20,090	100.00	Total...	17,289	100.00	Total...	18,389	100.00	Total..	18,341	100.00
1	Sept.	2,258	11.24	Aug.....	1,699	9.83	Aug.....	2,134	11.60	Aug....	2,148	11.71
2	Aug.....	2,151	10.71	Mar.....	1,680	9.72	Sept. ...	1,949	10.60	Sept. ..	1,870	10.20
3	Apr.....	1,977	9.84	Sept.	1,642	9.50	Mar.....	1,606	8.73	Oct. ...	1,580	8.61
4	May	1,856	9.24	Apr.....	1,568	9.07	July.....	1,578	8.58	Mar....	1,572	8.57
5	Oct.	1,728	8.60	May	1,554	8.99	Apr.....	1,566	8.52	Apr....	1,512	8.24
6	Mar.....	1,705	8.49	Feb.....	1,482	8.57	May.....	1,508	8.20	July ...	1,477	8.05
7	July.....	1,554	7.74	Oct.	1,408	8.14	Oct.	1,497	8.14	May...	1,468	8.00
8	Dec.....	1,462	7.28	Dec.....	1,296	7.50	Dec.....	1,420	7.72	Dec....	1,397	7.62
9	June	1,448	7.21	July.....	1,280	7.40	Feb.....	1,355	7.37	Feb....	1,374	7.49
10	Nov.....	1,322	6.58	Jan.	1,247	7.21	June	1,290	7.01	Nov. ...	1,327	7.24
11	Jan.....	1,295	6.44	June	1,193	6.90	Nov.....	1,263	6.87	Jan. ...	1,281	6.98
12	Feb.	1,288	6.41	Nov.....	1,169	6.76	Jan.	1,192	6.48	June ..	1,279	6.97
	Unk.	46	.23	Unk.	71	.41	Unk.	31	.17	Unk. ..	56	.31
	Av. .....[a]	1,674	8.33	Av.....[a]	1,441	8.33	Av.....[a]	1,532	8.33	Av....[a]	1,528	8.33

[a] Including deaths in unknown month.

Diagram No. 3.

Deaths in Michigan in 1877, and Average for 7 Years ending with 1877, as Returned, and as Corrected for Omissions and Equalized for Increase of Population, in each case by months Equalized to uniform length.



*Scale = 224 to the inch.

Designed by Henry B. Baker.

EXHIBIT E.—*Deaths in Michigan during the Year 1877, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.*

	Total.	Months, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	[a] 12,863	766	843	960	978	976	875	1,040	1,559	1,470	1,221	1,060	1,155
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	67.19	62.99	58.79	54.59	50.39	46.19	41.99	37.79	33.59	29.39	25.19	20.99
Number of deaths to be added for above correction	5,422	515	531	582	534	492	404	437	589	470	359	267	242
Deaths, if enumerated in months of occurrence	18,285	1,281	1,374	1,572	1,512	1,468	1,279	1,477	2,148	1,870	1,580	1,327	1,397
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	+9	—23	+120	—28	+22	—27	+19	—27	—39	+27	—29	+19	—25
Deaths, corrected and equalized to months of uniform length	18,294	1,258	1,494	1,544	1,534	1,441	1,298	1,450	2,109	1,897	1,551	1,346	1,372

[a] Excluding 56 in unknown month.

Table IV. shows, by sex, the number and proportion of persons returned as having died in this State in 1877, by ages in years for those under 5 years, and by periods of age for those over five years of age. The decedents aged under one year composed 26.11 per cent. of all the decedents, and those aged under five were 40.30 per cent. of the decedents at all ages. Among the decedents under one year of age, there were 113.03 males to 100 females, and among those under five years of age there were 123.54 males to 100 females. Between the ages of ten and forty-five years there were more female than male decedents, but at each of the other ages indicated in the table the excess was of the males.

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1877; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	Number of Deaths, 1877.				Per Ct. of Deaths at Each Age to Total at All Ages.			Per Ct. of Each Sex to Total of Both Sexes.				Excess of the Sexes by Number.		Males to 100 Females.
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	
All Ages	12,919	6,827	6,040	52	100.00	100.00	100.00	53.06	46.94	6.12	.....	787	.....	113.03
Under 1	3,373	1,906	1,429	38	26.11	27.92	23.66	57.15	42.85	14.30	.....	477	.....	133.38
1 to 2	844	439	403	2	6.53	6.43	6.67	52.14	47.86	4.28	.....	36	.....	108.93
2 to 3	468	242	226	.....	3.62	3.54	3.74	51.71	48.29	3.42	.....	16	.....	107.08
3 to 4	291	151	140	.....	2.25	2.21	2.32	51.89	48.11	3.78	.....	11	.....	107.86
4 to 5	231	117	113	1	1.79	1.71	1.87	50.87	49.13	1.74	.....	4	.....	103.54
under 5	5,207	2,855	2,311	41	40.30	41.82	38.26	55.27	44.73	10.54	.....	544	.....	123.54
5 to 10	718	380	337	1	5.56	5.57	5.58	53.00	47.00	6.00	.....	43	.....	112.76
10 to 15	387	188	199	.....	3.00	2.75	3.29	48.58	51.42	.....	2.84	.....	11	94.47
15 to 20	516	218	298	.....	3.99	3.19	4.93	42.25	57.75	.....	15.50	.....	80	73.15
20 to 25	572	258	314	.....	4.43	3.78	5.20	45.10	54.90	.....	9.80	.....	56	82.16
25 to 30	549	233	316	.....	4.25	3.41	5.23	42.44	57.56	.....	15.12	.....	83	73.73
30 to 35	459	203	256	.....	3.55	2.97	4.24	44.23	55.77	.....	11.54	.....	53	79.30
35 to 40	412	198	214	.....	3.19	2.90	3.54	48.06	51.94	.....	3.88	.....	16	92.52
40 to 45	392	188	204	.....	3.03	2.75	3.38	47.96	52.04	.....	4.08	.....	16	92.16
45 to 50	402	224	178	.....	3.11	3.28	2.95	55.72	44.28	11.44	.....	46	.....	125.84
50 to 55	362	201	161	.....	2.80	2.94	2.67	55.52	44.48	11.04	.....	40	.....	124.84
55 to 60	387	212	175	.....	3.00	3.11	2.90	54.78	45.22	9.56	.....	37	.....	121.14
60 to 65	477	257	220	.....	3.69	3.76	3.64	53.88	46.12	7.76	.....	37	.....	116.82
65 to 70	517	287	230	.....	4.00	4.20	3.81	55.51	44.49	11.02	.....	57	.....	124.78
70 to 75	462	292	170	.....	3.58	4.28	2.81	63.20	36.80	26.40	.....	122	.....	171.76
75 to 80	433	264	169	.....	3.35	3.87	2.80	60.97	39.03	21.94	.....	95	.....	156.21
80 to 85	234	136	98	.....	1.81	1.99	1.62	58.12	41.88	16.24	.....	38	.....	138.78
85 to 90	151	81	70	.....	1.17	1.19	1.16	53.64	46.36	7.28	.....	11	.....	115.71
90 to 95	34	18	16	.....	.26	.26	.26	52.94	47.06	5.88	.....	2	.....	112.50
95 to 100	12	7	5	.....	.09	.10	.08	58.33	41.67	16.66	.....	2	.....	140.00
100 and over	5	4	1	.....	.04	.06	.02	80.00	20.00	60.00	.....	3	.....	400.00
Unk. Ages.	231	123	98	10	1.79	1.80	1.62	55.66	44.35	11.31	.....	25	.....	125.51

IT F.—*Deaths Returned as having occurred in Michigan in 1877, by Sex, and Excess of the Sexes, by Age in Years.*

	Decedents, 1877.				Excess.		Age in Years.	Decedents, 1877.				Excess.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
..	12,919	6,827	6,040	52	787	.....	35	101	59	42	.....	17	.....
..	3,373	1,906	1,429	38	477	.....	36	82	33	49	.....	.....	16
..	844	439	403	2	36	.....	37	83	44	39	.....	5	.....
..	468	242	226	.....	16	.....	38	70	29	41	.....	.....	12
..	291	151	140	.....	11	.....	39	76	33	43	.....	.....	10
..	231	117	113	1	4	.....	40	118	54	64	.....	.....	10
..	175	99	76	.....	23	.....	41	53	30	23	.....	7	.....
..	169	97	72	.....	25	.....	42	87	45	42	.....	3	.....
..	139	68	70	1	.....	2	43	60	27	33	.....	.....	6
..	120	54	66	.....	.....	12	44	74	32	42	.....	.....	10
..	115	62	53	.....	9	.....	45	89	54	35	.....	19	.....
..	92	44	48	.....	.....	4	46	64	33	31	.....	2	.....
..	101	46	55	.....	.....	9	47	74	42	32	.....	10	.....
..	65	30	35	.....	.....	5	48	81	38	43	.....	.....	5
..	52	24	28	.....	.....	4	49	94	57	37	.....	20	.....
..	77	44	33	.....	11	.....	50	70	38	32	.....	6	.....
..	82	28	54	.....	.....	26	51	61	32	29	.....	3	.....
..	95	44	51	.....	.....	7	52	90	48	42	.....	6	.....
..	98	45	53	.....	.....	8	53	57	30	27	.....	3	.....
..	119	52	67	.....	.....	15	54	84	53	31	.....	22	.....
..	122	49	73	.....	.....	24	55	86	52	34	.....	18	.....
..	129	54	75	.....	.....	21	56	73	37	36	.....	1	.....
..	108	47	61	.....	.....	14	57	73	38	35	.....	3	.....
..	121	52	69	.....	.....	17	58	80	44	36	.....	8	.....
..	90	41	49	.....	.....	8	59	75	41	34	.....	7	.....
..	124	64	60	.....	4	.....	60	126	69	57	.....	12	.....
..	108	45	63	.....	.....	18	61	62	43	19	.....	24	.....
..	109	53	56	.....	.....	3	62	98	50	48	.....	2	.....
..	115	47	68	.....	.....	21	63	103	49	54	.....	.....	5
..	129	54	75	.....	.....	21	64	88	46	42	.....	4	.....
..	88	34	54	.....	.....	20	65	119	68	51	.....	17	.....
..	119	53	66	.....	.....	13	66	104	58	46	.....	12	.....
..	70	31	39	.....	.....	8	67	102	64	38	.....	26	.....
..	88	36	52	.....	.....	16	68	114	54	60	.....	.....	6
..	97	45	52	.....	.....	7	69	78	43	35	.....	8	.....
..	85	38	47	.....	.....	9	70	111	72	39	.....	33	.....
							71	68	42	26	.....	16	.....

EXHIBIT F.—CONTINUED.—*Deaths by Ages in Michigan in 1877.*

AGE IN YEARS.	DECEDENTS, 1877.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1877.				EXCESS.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
72	103	67	36	.....	31	.....	89	15	5	10	.....	.....	5
73	71	47	24	.....	23	.....	90	9	3	6	.....	.....	3
74	109	64	45	.....	19	.....	91	12	10	2	.....	8	.....
75	101	56	45	.....	11	.....	92	5	4	1	.....	3	.....
76	85	47	38	.....	9	.....	93	5	.....	5	.....	.....	5
77	102	66	36	.....	30	.....	94	3	1	2	.....	.....	1
78	85	56	29	.....	27	.....	95	3	3	.....	.....	3	.....
79	60	39	21	.....	18	.....	96	3	1	2	.....	.....	1
80	76	44	32	.....	12	.....	97	2	.....	2	.....	.....	2
81	36	23	13	.....	10	.....	98	3	3	.....	.....	3	.....
82	37	24	13	.....	11	.....	99	1	.....	1	.....	.....	1
83	39	17	22	.....	.....	5	100	1	1	.....	.....	1	.....
84	46	28	18	.....	10	.....	101	1	.....	1	.....	.....	1
85	31	19	12	.....	7	.....	107	1	1	.....	.....	1	.....
86	35	19	16	.....	3	.....	109	1	1	.....	.....	1	.....
87	44	23	21	.....	2	.....	122	1	1	.....	.....	1	.....
88	26	15	11	.....	4	.....	Unknown	231	123	98	10	25	.....

Exhibit G contains valuable data upon the relative proportion of decedents at different periods of life and in different months of the year. The proportion of deaths of persons under 1 and under 5 years of age was the largest in August; of the decedents aged 5 to 10 years the proportion was largest in September; of those aged 10 to 20 years the largest proportion was in October; of those aged 20 to 50 years the largest proportion was in May; of those aged 50 years and over the largest proportion was in September. More than one-half (53.24 per cent.) of all the decedents in August, 1877, were under 5 years of age.

EXHIBIT G.—*The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Period of Age, the Relation of the Deaths in each Month to the Total Deaths at that Period of Age, according to the Returns.*

DEATHS BY AGES IN PERIODS OF YEARS.		YEAR, 1877.[a]	MONTHS, 1877.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All Ages		12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
Under 1	Number	3,363	179	229	263	212	212	203	300	552	380	308	234	291
	Per Cent. of All Ages	26.14	23.37	27.16	26.57	21.68	21.72	23.20	28.85	35.41	27.14	25.23	22.08	25.19
	Per Cent. to Total Deaths aged under 1	100.00	5.32	6.81	7.82	6.30	6.30	6.04	8.92	16.41	11.30	9.16	6.96	8.65
Under 5	Number	5,192	290	345	364	337	306	318	469	830	624	494	369	446
	Per Cent. of All Ages	40.36	37.86	40.93	36.77	34.46	31.35	36.34	45.10	53.24	44.57	40.46	34.81	38.61
	Per Cent. to Total Deaths, aged under 5	100.00	5.59	6.64	7.01	6.49	5.89	6.12	9.03	15.99	12.02	9.51	7.11	8.59
5 to 10	Number	718	40	39	44	49	55	54	43	63	99	85	85	62
	Per Cent. of All Ages	5.58	5.22	4.63	4.44	5.01	5.64	6.17	4.13	4.04	7.07	6.96	8.02	5.37
	Per Cent. to Total Deaths, aged 5 to 10	100.00	5.57	5.43	6.13	6.82	7.66	7.52	5.99	8.77	13.79	11.84	11.84	8.64
10 to 20	Number	902	52	57	60	56	71	75	71	89	100	105	84	82
	Per Cent. of All Ages	7.01	6.79	6.76	6.06	5.73	7.27	8.57	6.83	5.71	7.14	8.60	7.92	7.10
	Per Cent. to Total Deaths, aged 10 to 20	100.00	5.76	6.32	6.65	6.21	7.87	8.31	7.87	9.87	11.00	11.64	9.31	9.09
20 to 50	Number	2,778	164	199	234	242	262	218	217	249	239	251	250	253
	Per Cent. of All Ages	21.60	21.41	23.61	23.64	24.74	26.84	24.91	20.87	15.97	17.07	20.56	23.58	21.90
	Per Cent. to Total Deaths, aged 20 to 50	100.00	5.90	7.16	8.42	8.71	9.43	7.85	7.81	8.96	8.60	9.04	9.00	9.11
50 and over	Number	3,064	203	187	266	275	268	198	225	308	316	274	250	294
	Per Cent. of All Ages	23.82	26.50	22.18	26.87	28.12	27.46	22.63	21.63	19.76	22.57	22.44	23.58	25.45
	Per Cent. to Total Deaths, aged 50 and over	100.00	6.63	6.10	8.68	8.98	8.75	6.46	7.34	10.05	10.31	8.94	8.16	9.60
Unknown Ages	Number	209	17	16	22	19	14	12	15	20	22	12	22	18
	Per Cent. of All Ages	1.62	2.22	1.90	2.22	1.94	1.43	1.37	1.44	1.28	1.57	.98	2.08	1.56
	Per Cent. to Total Deaths, at unknown ages	100.00	8.13	7.65	10.53	9.00	6.70	5.74	7.18	9.57	10.53	5.74	10.53	8.61

[a] Excluding unknown month.

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1877.*

Ages in Periods of Years.	Sex.	Year, 1877.	Months, 1877.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages	Total	12,919	766	843	990	978	976	875	1040	1559	1400	1221	1060	1155	56
	Males	6,827	408	427	525	542	495	466	565	819	746	634	550	623	27
	Females	6,040	355	415	457	435	475	407	471	738	648	585	500	527	27
	Unknown	52	3	1	8	1	6	2	4	2	6	2	10	5	2
All Under 1	Total	3,373	179	229	263	212	212	203	300	552	380	308	234	291	10
	Males	1,906	105	131	148	133	130	111	162	313	201	178	125	165	4
	Females	1,429	72	97	108	78	77	90	136	238	175	128	100	125	5
	Unknown	38	2	1	7	1	5	2	2	1	4	2	9	1	1
All Under 5	Total	5,207	290	345	364	337	306	318	489	830	624	494	369	446	15
	Males	2,855	174	186	199	201	177	174	251	455	328	274	183	245	8
	Females	2,311	114	158	158	135	124	142	215	373	291	218	177	200	6
	Unknown	41	2	1	7	1	5	2	3	2	5	2	9	1	1
5 to 10	Total	718	40	39	44	49	55	54	43	63	99	85	85	62	....
	Males	380	16	22	26	23	30	23	23	41	54	46	44	32	....
	Females	337	24	17	18	26	25	31	20	22	44	39	41	30	....
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	....
10 to 15	Total	387	18	20	14	21	39	39	32	38	47	48	27	44	....
	Males	188	8	8	6	14	16	22	14	16	16	30	15	23	....
	Females	199	10	12	8	7	23	17	18	22	31	18	12	21	....
15 to 20	Total	516	34	37	46	35	32	36	39	51	53	57	57	38	1
	Males	218	9	14	20	17	11	14	24	17	21	23	30	17	1
	Females	298	25	23	26	18	21	22	15	34	32	34	27	21	....
20 to 25	Total	572	29	37	49	51	55	58	37	34	53	51	66	50	2
	Males	258	16	15	22	24	19	26	13	15	28	24	33	21	2
	Females	314	13	22	27	27	36	32	24	19	25	27	33	29	....
25 to 30	Total	549	32	47	47	50	46	41	35	62	41	52	47	49	....
	Males	233	16	17	20	25	16	17	14	22	24	17	20	25	....
	Females	316	16	30	27	25	30	24	21	40	17	35	27	24	....
30 to 35	Total	459	31	31	48	39	40	28	39	38	44	37	32	50	2
	Males	203	13	13	25	15	17	13	22	16	20	14	13	21	1
	Females	256	18	18	23	24	23	15	17	22	24	23	19	29	1
35 to 40	Total	412	29	25	23	29	48	33	47	41	29	35	35	37	1
	Males	198	14	11	9	17	16	17	24	17	17	13	22	20	1
	Females	214	15	14	14	12	32	16	23	24	12	22	13	17	....
40 to 45	Total	392	22	30	36	42	30	31	29	34	32	38	31	35	2
	Males	188	8	15	15	23	14	18	14	17	13	19	14	17	1
	Females	204	14	15	21	19	16	13	15	17	19	19	17	18	1

TABLE V.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

Ages in Periods of Years.	Sex.	Year, 1877.	Months, 1877.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50	Total	402	21	29	31	31	43	27	30	40	40	38	39	32	1
	Males	224	12	20	12	20	22	14	20	22	24	19	20	18	1
	Females	178	9	9	19	11	21	13	10	18	16	19	19	14	----
50 to 55	Total	362	26	25	26	25	35	28	29	29	35	41	30	33	----
	Males	201	12	12	15	12	21	19	17	16	24	17	19	17	----
	Females	161	14	13	11	13	14	9	12	13	11	24	11	16	----
55 to 60	Total	387	18	17	51	33	32	31	29	44	35	24	39	34	----
	Males	212	10	6	30	16	18	15	15	22	20	17	23	20	----
	Females	175	8	11	21	17	14	16	14	22	15	7	16	14	----
60 to 65	Total	477	30	34	34	37	35	28	37	44	59	48	44	45	2
	Males	257	20	13	23	14	15	20	22	24	35	21	21	27	2
	Females	220	10	21	11	23	20	8	15	20	24	27	23	18	----
65 to 70	Total	517	36	34	41	53	37	35	39	52	53	43	45	45	4
	Males	287	18	17	25	31	19	19	25	28	31	24	24	25	1
	Females	230	18	17	16	22	18	16	14	24	22	19	21	20	3
70 to 75	Total	462	33	20	38	44	40	31	35	52	45	46	25	51	2
	Males	292	23	13	19	28	24	21	25	30	29	26	16	38	----
	Females	170	10	7	19	16	16	10	10	22	16	20	9	13	2
75 to 80	Total	433	27	24	32	45	46	26	25	40	41	49	31	43	1
	Males	264	15	18	19	28	30	16	21	25	22	27	17	26	----
	Females	169	12	6	13	17	16	10	4	15	19	22	17	17	1
80 to 85	Total	234	16	19	24	20	26	8	19	22	22	14	17	26	1
	Males	136	7	10	17	11	15	6	10	15	11	8	10	16	----
	Females	98	9	9	7	9	11	2	9	7	11	6	7	10	1
85 to 90	Total	151	12	10	16	15	12	9	9	18	19	7	12	12	----
	Males	81	5	4	8	9	9	3	4	8	9	5	10	7	----
	Females	70	7	6	8	6	3	6	5	10	10	2	2	5	----
90 to 95	Total	34	3	4	3	2	3	1	2	4	4	1	3	4	----
	Males	18	1	4	1	1	2	1	1	1	3	1	1	1	----
	Females	16	2	----	2	1	1	----	1	3	1	----	2	3	----
95 to 100	Total	12	1	----	----	1	1	1	1	3	2	1	----	1	----
	Males	7	----	----	----	1	----	1	----	2	2	----	----	1	----
	Females	5	1	----	----	----	1	----	1	1	----	1	----	----	----
100 and over	Total	5	1	----	1	----	1	----	----	----	1	----	1	----	----
	Males	4	----	----	1	----	1	----	----	----	1	----	1	----	----
	Females	1	1	----	----	----	----	----	----	----	----	----	----	----	----
Unknown	Total	231	17	16	22	19	14	12	15	20	22	12	22	18	22
	Males	123	11	9	13	12	3	7	6	10	14	9	14	6	9
	Females	98	5	7	8	7	10	5	8	10	8	3	7	8	12
	Unknown	10	1	----	1	----	1	----	1	----	----	----	1	4	1

EXHIBIT D.—*Deaths during the Years 1874 to 1877, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

ORDER.	1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	20,090	100.00	Total...	17,289	100.00	Total...	18,389	100.00	Total..	18,341	100.00
1	Sept.	2,258	11.24	Aug.....	1,699	9.83	Aug.....	2,134	11.60	Aug....	2,148	11.71
2	Aug.....	2,151	10.71	Mar.....	1,680	9.72	Sept....	1,949	10.60	Sept. ..	1,870	10.20
3	Apr.....	1,977	9.84	Sept.	1,642	9.50	Mar.....	1,606	8.73	Oct. ...	1,580	8.61
4	May	1,856	9.24	Apr.....	1,568	9.07	July.....	1,578	8.58	Mar....	1,572	8.57
5	Oct.	1,728	8.60	May	1,554	8.99	Apr.....	1,566	8.52	Apr....	1,512	8.24
6	Mar.....	1,705	8.49	Feb.....	1,482	8.57	May.....	1,508	8.20	July ...	1,477	8.05
7	July.....	1,554	7.74	Oct.	1,408	8.14	Oct.	1,497	8.14	May...	1,468	8.00
8	Dec.....	1,462	7.28	Dec.....	1,296	7.50	Dec.....	1,420	7.72	Dec....	1,397	7.62
9	June	1,448	7.21	July.....	1,280	7.40	Feb.....	1,355	7.37	Feb....	1,374	7.49
10	Nov.....	1,322	6.58	Jan.....	1,247	7.21	June	1,290	7.01	Nov. ...	1,327	7.24
11	Jan.....	1,295	6.44	June	1,193	6.90	Nov.....	1,263	6.87	Jan. ...	1,281	6.98
12	Feb.	1,288	6.41	Nov.....	1,169	6.76	Jan.	1,192	6.48	June ..	1,279	6.97
	Unk.	46	.23	Unk.	71	.41	Unk.	31	.17	Unk. ..	56	.31
	Av. .....[a]	1,674	8.33	Av.....[a]	1,441	8.33	Av.....[a]	1,532	8.33	Av....[a]	1,528	8.33

[a] Including deaths in unknown month.

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	101	5	5	.....	3	10	10	4	10	15	16	8	15	....
11	Males	46	2	....	.....	1	2	5	3	4	6	12	4	7	....
	Females	55	3	5	.....	2	8	5	1	6	9	4	4	8	....
	Total	65	3	4	4	2	7	10	6	3	7	5	6	8	....
12	Males	30	1	3	1	2	2	5	2	.....	1	3	4	6	....
	Females	35	2	1	3	.....	5	5	4	3	6	2	2	2	....
	Total	52	3	3	3	3	6	.....	4	6	8	7	6	3	....
13	Males	24	1	2	.....	1	3	.....	2	2	4	4	4	1	....
	Females	28	2	1	3	2	3	.....	2	4	4	3	2	2	....
	Total	77	2	4	5	10	10	5	5	11	10	6	3	6	....
14	Males	44	1	2	4	8	4	5	4	5	3	2	2	4	....
	Females	33	1	2	1	2	6	.....	1	6	7	4	1	2	....
	Total	82	1	1	8	7	3	6	5	12	11	10	9	9	....
15	Males	28	....	....	2	5	.....	1	3	4	5	3	2	3	....
	Females	54	1	1	6	2	3	5	2	8	6	7	7	6	....
	Total	95	3	5	8	11	9	7	7	6	4	12	17	6	....
16	Males	44	1	2	5	4	3	2	5	1	.....	8	12	1	....
	Females	51	2	3	3	7	6	5	2	5	4	4	5	5	....
	Total	98	7	6	8	4	8	4	6	11	17	11	7	9	....
17	Males	45	4	3	4	3	4	2	3	3	8	3	1	3	....
	Females	53	3	1	4	1	4	2	1	8	9	8	6	6	....
	Total	139	11	12	8	6	5	11	8	13	15	12	9	9	....
18	Males	32	1	4	2	3	2	5	6	3	4	6	6	8	....
	Females	67	10	8	6	3	3	6	2	8	11	6	3	1	....
	Total	122	12	13	14	7	7	8	13	9	6	12	15	5	1
19	Males	49	3	3	7	2	2	4	3	4	4	3	9	2	1
	Females	73	9	10	7	5	5	4	5	5	2	9	6	3	....
	Total	129	3	19	14	11	12	9	7	9	13	8	16	15	....
20	Males	54	1	6	3	5	5	4	2	3	9	2	7	7	....
	Females	75	2	4	11	6	7	5	5	6	6	6	9	8	....
	Total	108	3	8	9	8	8	10	8	6	12	13	11	6	1
21	Males	47	3	2	4	2	3	6	3	2	4	7	4	2	1
	Females	82	2	6	5	6	5	7	5	4	8	6	7	4	....
	Total	129	5	8	10	14	13	13	8	6	9	13	11	13	....
22	Males	32	2	....	6	5	1	6	2	2	4	3	8	4	....
	Females	69	7	1	4	4	12	8	6	7	3	4	5	9	....
	Total	99	9	4	8	9	13	14	8	9	7	7	13	8	....
23	Males	43	4	1	6	4	4	3	1	4	3	1	6	5	....
	Females	60	5	3	....	3	6	....	....	1	5	6	3	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1877.	Months, 1877.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
24	Total	124	6	14	12	9	11	16	9	5	10	8	15	8	1
	Males	64	6	6	5	5	5	7	3	4	6	5	8	3	1
	Females	60	----	8	7	4	6	9	6	1	4	3	7	5	----
25	Total	108	3	10	7	8	5	8	11	19	5	11	9	12	----
	Males	45	3	3	3	4	3	4	1	8	3	3	3	7	----
	Females	63	----	7	4	4	2	4	10	11	2	8	6	5	----
26	Total	109	6	10	13	11	7	5	9	16	11	6	10	5	----
	Males	53	4	3	4	6	3	2	2	8	8	2	7	4	----
	Females	56	2	7	9	5	4	3	7	8	3	4	3	1	----
27	Total	115	6	10	10	10	11	14	5	12	9	10	10	8	----
	Males	47	3	2	5	6	5	7	4	3	2	2	3	5	----
	Females	68	3	8	5	4	6	7	1	9	7	8	7	3	----
28	Total	129	10	15	11	13	15	6	4	6	11	15	11	12	----
	Males	54	2	8	5	6	4	1	4	2	7	7	3	5	----
	Females	75	8	7	6	7	11	5	------	4	4	8	8	7	----
29	Total	88	7	2	6	8	8	8	6	9	5	10	7	12	----
	Males	34	4	1	3	3	1	3	3	1	4	3	4	4	----
	Females	54	3	1	3	5	7	5	3	8	1	7	3	8	----
30	Total	119	7	9	11	11	11	6	16	13	7	5	7	14	2
	Males	53	3	3	8	6	3	3	8	7	1	3	3	4	1
	Females	66	4	6	3	5	8	3	8	6	6	2	4	10	1
31	Total	70	4	6	8	3	5	8	5	4	2	7	8	10	----
	Males	31	4	3	6	1	1	3	2	1	1	1	3	5	----
	Females	39	----	3	2	2	4	5	3	3	1	6	5	5	----
32	Total	88	6	7	8	11	10	6	6	6	7	7	4	10	----
	Males	36	3	2	2	3	4	3	5	3	4	3	1	3	----
	Females	52	3	5	6	8	6	3	1	3	3	4	3	7	----
33	Total	97	6	4	10	8	8	5	6	9	12	12	6	11	----
	Males	45	2	2	3	2	6	3	3	4	6	4	3	7	----
	Females	52	4	2	7	6	2	2	3	5	6	8	3	4	----
34	Total	85	8	5	11	6	6	3	6	6	16	6	7	5	----
	Males	38	1	3	6	3	3	1	4	1	8	3	3	2	----
	Females	47	7	2	5	3	3	2	2	5	8	3	4	3	----
35	Total	101	7	4	6	10	13	9	10	10	5	7	9	10	1
	Males	59	2	2	------	8	7	6	6	5	4	3	8	7	1
	Females	42	5	2	6	2	6	3	4	5	1	4	1	3	----
	Total	82	5	11	5	4	9	8	10	7	4	8	5	6	----
	Males	33	3	4	3	1	4	3	5	3	1	2	2	2	----
	Females	49	2	7	2	3	5	5	5	4	3	6	3	4	----

EXHIBIT D.—*Deaths during the Years 1874 to 1877, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

Order.	1874.			1875.			1876.			1877.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	20,090	100.00	Total...	17,289	100.00	Total...	18,389	100.00	Total..	18,341	100.00
1	Sept.	2,258	11.24	Aug.....	1,699	9.83	Aug.....	2,134	11.60	Aug....	2,148	11.71
2	Aug.....	2,151	10.71	Mar.....	1,680	9.72	Sept. ...	1,949	10.60	Sept. ..	1,870	10.20
3	Apr.....	1,977	9.84	Sept.	1,642	9.50	Mar.....	1,606	8.73	Oct. ...	1,580	8.61
4	May	1,856	9.24	Apr.....	1,568	9.07	July.....	1,578	8.58	Mar....	1,572	8.57
5	Oct.	1,728	8.60	May	1,554	8.99	Apr.....	1,566	8.52	Apr....	1,512	8.24
6	Mar.....	1,705	8.49	Feb.....	1,482	8.57	May.....	1,508	8.20	July ...	1,477	8.05
7	July.....	1,554	7.74	Oct.	1,408	8.14	Oct.	1,497	8.14	May ...	1,468	8.00
8	Dec.....	1,462	7.28	Dec.....	1,296	7.50	Dec.....	1,420	7.72	Dec....	1,397	7.62
9	June	1,448	7.21	July.....	1,280	7.40	Feb.....	1,355	7.37	Feb....	1,374	7.49
10	Nov.....	1,322	6.58	Jan.	1,247	7.21	June	1,290	7.01	Nov. ...	1,327	7.24
11	Jan.....	1,295	6.44	June	1,193	6.90	Nov.....	1,263	6.87	Jan. ...	1,281	6.98
12	Feb.	1,288	6.41	Nov.....	1,169	6.76	Jan.	1,192	6.48	June ..	1,279	6.97
	Unk.	46	.23	Unk.	71	.41	Unk.	31	.17	Unk. ..	56	.31
	Av. .....[a]	1,674	8.33	Av.....[a]	1,441	8.33	Av.....[a]	1,532	8.33	Av....[a]	1,528	8.33

Including deaths in unknown month.

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1877.	MONTHS, 1877.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
63	Total	103	8	8	4	6	6	5	6	14	14	12	8	12	....
	Males	49	6	2	2	2	4	4	3	7	5	3	5	6	....
	Females	54	2	6	2	4	2	1	3	7	9	9	3	6	....
64	Total	88	4	4	12	8	7	7	8	5	7	10	12	4	....
	Males	46	2	....	8	4	2	4	5	3	4	5	6	3	....
	Females	42	2	4	4	4	5	3	3	2	3	5	6	1	....
65	Total	119	6	7	5	10	7	9	9	14	13	13	11	15	....
	Males	68	2	5	1	6	3	5	5	5	11	8	7	10	....
	Females	51	4	2	4	4	4	4	4	9	2	5	4	5	....
66	Total	104	6	7	11	12	4	6	10	12	13	6	4	11	2
	Males	58	4	4	9	8	2	2	5	7	7	5	1	3	1
	Females	46	2	3	2	4	2	4	5	5	6	1	3	8	1
67	Total	102	6	6	9	11	7	7	9	13	7	8	6	12	1
	Males	64	5	3	6	7	4	4	6	8	5	5	4	7	....
	Females	38	1	3	3	4	3	3	3	5	2	3	2	5	1
68	Total	114	7	10	9	14	14	6	7	6	11	12	12	5	1
	Males	54	3	3	4	5	8	3	6	4	4	4	7	3	....
	Females	60	4	7	5	9	6	3	1	2	7	8	5	2	1
69	Total	78	11	4	7	6	5	7	4	7	9	4	12	2	....
	Males	43	4	2	5	5	2	5	3	4	4	2	5	2	....
	Females	35	7	2	2	1	3	2	1	3	5	2	7	....	....
70	Total	111	7	7	11	8	12	8	10	13	8	9	6	11	1
	Males	72	6	6	4	6	7	5	7	7	6	5	5	8	....
	Females	39	1	1	7	2	5	3	3	6	2	4	1	3	1
71	Total	68	4	3	6	10	4	4	5	9	5	5	4	9	....
	Males	42	3	2	4	2	3	4	4	4	3	4	3	6	....
	Females	26	1	1	2	8	1	.....	1	5	2	1	1	3	....
72	Total	103	11	1	6	13	9	7	6	4	13	16	5	12	....
	Males	67	7	....	3	10	6	4	3	3	9	9	2	11	....
	Females	36	4	1	3	3	3	3	3	1	4	7	3	1	....
73	Total	71	5	5	6	3	6	5	7	5	8	5	3	12	
	Males	47	4	3	3	2	3	4	4	3	5	4	2	10	....
	Females	24	1	2	3	1	3	1	3	2	3	1	1	2	
74	Total	109	6	4	9	10	9	7	7	21	11	11	7	7	....
	Males	64	3	2	5	8	5								
	Females	45	3	2	4										
75	Total	101	6	4											
	Males	56	2												
	Females	45													

EXHIBIT E.—*Deaths in Michigan during the Year 1877, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.*

	Total.	Months, 1877.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	* 12,863	766	843	960	978	976	875	1,040	1,559	1,470	1,221	1,090	1,155
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	67.19	62.99	58.79	54.59	50.39	46.19	41.99	37.79	33.59	29.39	25.19	20.99
Number of deaths to be added for above correction	5,422	515	531	582	534	492	404	437	589	470	359	267	242
Deaths, if enumerated in months of occurrence	18,285	1,281	1,374	1,572	1,512	1,468	1,279	1,477	2,148	1,870	1,580	1,327	1,397
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	+9	—23	+120	—28	+22	—27	+19	—27	—39	+27	—29	+19	—25
Deaths, corrected and equalized to months of uniform length	18,294	1,258	1,494	1,544	1,534	1,441	1,298	1,450	2,109	1,897	1,551	1,346	1,372

* Excluding 56 in unknown month.

Table IV. shows, by sex, the number and proportion of persons returned as having died in this State in 1877, by ages in years for those under 5 years, and by periods of age for those over five years of age. The decedents aged under one year composed 26.11 per cent. of all the decedents, and those aged under five were 40.30 per cent. of the decedents at all ages. Among the decedents under one year of age, there were 113.03 males to 100 females, and among those under five years of age there were 123.54 males to 100 females. Between the ages of ten and forty-five years there were more female than male decedents, but at each of the other ages indicated in the table the excess was of the males.

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1877; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	Number of Deaths, 1877.				Per Ct. of Deaths at Each Age to Total at All Ages.			Per Ct. of Each Sex to Total of Both Sexes.		Excess.		Excess of the Sexes by Number.		Males to 100 Females.
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
All Ages	12,919	6,827	6,040	52	100.00	100.00	100.00	53.06	46.94	6.12	.....	787	.....	113.03
Under 1	3,373	1,906	1,429	38	26.11	27.92	23.66	57.15	42.85	14.30	.....	477	.....	133.38
1 to 2	844	439	403	2	6.53	6.43	6.67	52.14	47.86	4.28	.....	36	.....	108.93
2 to 3	468	242	226	.....	3.62	3.54	3.74	51.71	48.29	3.42	.....	16	.....	107.08
3 to 4	291	151	140	.....	2.25	2.21	2.32	51.89	48.11	3.78	.....	11	.....	107.86
4 to 5	231	117	113	1	1.79	1.71	1.87	50.87	49.13	1.74	.....	4	.....	103.54
under 5	5,207	2,855	2,311	41	40.30	41.82	38.26	55.27	44.73	10.54	.....	544	.....	123.54
5 to 10	718	380	337	1	5.56	5.57	5.58	53.00	47.00	6.00	.....	43	.....	112.76
10 to 15	387	188	199	.....	3.00	2.75	3.29	48.58	51.42	.....	2.84	.....	11	94.47
15 to 20	516	218	298	.....	3.99	3.19	4.93	42.25	57.75	.....	15.50	.....	80	73.15
20 to 25	572	258	314	.....	4.43	3.78	5.20	45.10	54.90	.....	9.80	.....	56	82.16
25 to 30	549	233	316	.....	4.25	3.41	5.23	42.44	57.56	.....	15.12	.....	83	73.73
30 to 35	459	203	256	.....	3.55	2.97	4.24	44.23	55.77	.....	11.54	.....	53	79.30
35 to 40	412	198	214	.....	3.19	2.90	3.54	48.06	51.94	.....	3.88	.....	16	92.52
40 to 45	392	188	204	.....	3.03	2.75	3.38	47.96	52.04	.....	4.08	.....	16	92.16
45 to 50	402	224	178	.....	3.11	3.28	2.95	55.72	44.28	11.44	.....	46	.....	125.84
50 to 55	362	201	161	.....	2.80	2.94	2.67	55.52	44.48	11.04	.....	40	.....	124.84
55 to 60	387	212	175	.....	3.00	3.11	2.90	54.78	45.22	9.56	.....	37	.....	121.14
60 to 65	477	257	220	.....	3.69	3.76	3.64	53.88	46.12	7.76	.....	37	.....	116.82
65 to 70	517	287	230	.....	4.00	4.20	3.81	55.51	44.49	11.02	.....	57	.....	124.78
70 to 75	462	292	170	.....	3.58	4.28	2.81	63.20	36.80	26.40	.....	122	.....	171.76
75 to 80	433	264	169	.....	3.35	3.87	2.80	60.97	39.03	21.94	.....	95	.....	156.21
80 to 85	234	136	98	.....	1.81	1.99	1.62	58.12	41.88	16.24	.....	38	.....	138.78
85 to 90	151	81	70	.....	1.17	1.19	1.16	53.64	46.36	7.28	.....	11	.....	115.71
90 to 95	34	18	16	.....	.26	.26	.26	52.94	47.06	5.88	.....	2	.....	112.50
95 to 100	12	7	5	.....	.09	.10	.08	58.33	41.67	16.66	.....	2	.....	140.00
100 and over	5	4	1	.....	.04	.06	.02	80.00	20.00	60.00	.....	3	.....	400.00
Unk. Ages.	231	123	98	10	1.79	1.80	1.62	55.66	44.35	11.31	.....	25	.....	125.51

INFANT MORTALITY.

Exhibit 2 shows the relation of the still-births to all decedents, for each of the years 1872 to 1877, inclusive. The per cent. of still-births to all decedents was greater in 1877 than in any previous year.

EXHIBIT 2.—*The Relation of Still-births to All Persons Returned as having Died in Michigan during the several Years 1872 to 1877, inclusive. (Still-births for 1874 to 1877, inclusive, corrected by means of the Returns of Births.)*

	Total Deaths and Still-Births.					
	1872.	1873.	1874.	1875.	1876.	1877.
Total Number of Deaths	13,371	14,258	12,500	11,990	12,576	12,919
Number of Still-births	[a] 204	[a] 274	464	629	646	720
Per Cent. of Still-births to Total Deaths	1.53	1.22	3.71	5.25	5.14	5.57

[a] As per returns of deaths.

The proportion of children born in 1876 who died aged under one year was 9.57 per cent., as shown by Exhibit 3, page 128. This proportion is less than was shown for either of the years 1876, 1875, or 1873, but slightly greater than shown for 1874 or 1872. In each of the years 1872–1877 the proportion of the males was greater than of the females, the average excess of the proportion of males over females for the six years 1872–1877 being 1.83 per cent. The largest proportion of children born in 1876 who died aged under one year is shown for those born in April, the smallest for those born in December. It should be borne in mind that probably a much larger proportion of the births during the former months of the year were omitted in the enumeration than of those during the latter months.

The respective months of the years 1876 and 1877 in which occurred the deaths of the children born in 1876 who died aged under one year, are shown in Exhibit 4, page 129. The third column from the last shows what proportion of such children died during the month of birth. The largest proportion is shown for December, the smallest for February. In the last column may be studied, by months, the proportion of the children born in 1876 who died during the month of birth. The largest per cent. is shown for August, the smallest for June. The popular statement of the interpretation of these data is that the children born in June are most likely to live through the month of birth, while those [illegible] in August are most liable to die during the month of birth. According [illegible] hibit, 4.21 per cent. of the children born in 1876 died during the [illegible] rth.

TABLE VIII.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1877; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*[a]

Months in which Births and Deaths Occurred.	Number Born in Each Month of Year of Death.				Number of Children who Died at Each Age in Months.												Number Born in each Month of Year Previous to Year of Death.			Deaths by Months.							
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	Of those Born in Year of Death.		Of those Born in Previous Year.		All Aged under One Year.	
																				Sex.	Total.	Sex.	Total.	Sex.	Total.
January	1877.	245	Males	139	51	11	6	9	7	4	3	5	2	2	3	2	------	------	1876.	51	93	54	84	105	177
			Females	106	42	3	10	3	3	2	2	--	3	2	1	1	------	------		42		30		72	
February		289	Males	164	67	17	9	4	10	5	7	4	5	--	2	1	2	3		84	146	47	82	131	228
			Females	125	55	7	4	4	5	3	6	6	2	1	3	1	1			62		35		97	
March		290	Males	168	91	11	8	4	7	4	8	4	6	4	1	--	4	6		110	178	38	78	148	256
			Females	122	56	4	8	6	4	5	4	5	6	5	4	1	2			68		40		108	
April		253	Males	157	76	7	9	7	3	4	5	1	5	3	4	9	4	10		99	153	34	58	133	211
			Females	96	35	8	4	7	2	2	4	4	3	3	2	4	6			54		24		78	
May		245	Males	143	77	5	8	8	7	2	5	1	1	8	1	7	12	24		105	159	25	48	130	207
			Females	102	41	7	3	1	2	2	2	--	2	7	6	4	12			54		23		77	
June		226	Males	132	63	6	4	1	4	5	6	4	4	4	4	6	25	38		83	153	28	48	111	201
			Females	94	45	6	4	4	6	5	5	6	1	3	1	4	13			70		20		90	
July		227	Males	125	67	6	13	18	12	10	7	5	7	6	6	5	23	50		133	239	29	59	162	298
			Females	102	53	9	17	5	9	11	2	4	6	6	6	8	27			106		30		136	
August		237	Males	134	89	25	30	20	31	18	31	11	13	14	16	15	37	69		255	445	58	106	313	551
			Females	103	73	16	10	19	14	18	25	15	11	13	6	18	32			190		48		238	
September		174	Males	86	62	20	17	17	14	8	13	14	11	8	8	9	47	90		176	328	25	48	201	376
			Females	88	56	17	23	11	7	11	14	11	2	7	8	8	43			152		23		175	
October		175	Males	114	93	9	14	10	5	4	8	9	4	10	6	6	64	102		166	287	12	19	178	306
			Females	61	54	10	5	5	10	8	10	6	4	9	4	3	38			121		7		128	
November		154	Males	88	77	13	5	3	1	3	5	4	6	3	4	1	65	123		124	221	1	4	125	225
			Females	66	56	5	13	2	1	4	2	5	--	2	7	3	58			97		3		100	
December		177	Males	101	101	11	8	10	8	5	8	4	3	3	3	1	68	119		165	290	------	------	165	290
			Females	76	76	10	2	9	6	4	5	2	5	4	2	--	51			125		------		125	

.....	.....	1,551 1,141					
.....	.....	.....	2,692				
.....	.....	.....	.....	351 283			
634	.....	.....	.....		634		
.....	.....	.....	.....	.....	.....	1,902 1,424	
.....	.....	.....	.....	.....	.....	.....	3,326

persons of unknown sex, besides the one in unknown

EXHIBIT 3.—*Of the Children Born in 1876, the Number who Died during the Year 1876; the Number who Died during the Year 1877, under One Year of Age; The Total Number who Died under One Year of Age; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1876.*

MONTHS OF BIRTH AND OF DEATH.	Births in 1876, as Returned.	Children Born in 1876.				Births of Males in 1876, as Returned.	Males Born in 1876.				Births of Females in 1876, as Returned.	Females Born in 1876.			
		Died during the Year 1876.	Died Aged under 1 Year during the Year 1877.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1876.	Died Aged under 1 Year during the Year 1877.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1876.	Died Aged under 1 Year during the Year 1877.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
Total.....[a]	34,131	2,694	634	3,328	9.75	17,698	1,545	351	1,896	10.71	16,379	1,149	283	1,432	8.74
January.....	2,283	241	.....	241	10.56	1,149	135	.....	135	11.75	1,132	106	.....	106	9.36
February.....	2,352	244	3	247	10.50	1,243	127	2	129	10.38	1,104	117	1	118	10.69
ch.....	2,744	278	6	284	10.35	1,448	151	4	155	10.70	1,289	127	2	129	10.01
.....	2,730	297	10	307	11.25	1,441	170	4	174	12.07	1,286	127	6	133	10.34
.....	2,870	285	24	309	10.77	1,471	165	12	177	12.03	1,397	120	12	132	9.45
.....	2,739	224	38	262	9.57	1,409	132	25	157	11.14	1,325	92	13	105	7,92
.....	3,014	230	50	280	9.29	1,532	147	23	170	11.09	1,481	83	27	110	7.43
.....	3,124	237	69	306	9.80	1,592	139	37	176	11.06	1,525	98	32	130	8.52
.....	3,110	195	90	285	9.16	1,619	109	47	156	9.64	1,487	86	43	129	8.68
.....	3,039	163	102	265	8.72	1,595	100	64	164	10 28	1,440	63	38	101	7.01
.....	2,921	147	123	270	9.24	1,532	88	65	153	9.99	1,384	59	58	117	8.45
.....	3,205	153	119	272	8.49	1,667	82	68	150	9.00	1,529	71	51	122	7 98

[a] In unknown month,—53 males, 49 females, and 2 unknown sex.

EXHIBIT 4.—*The Months of Births and of Deaths of Children Born in 1876 who Died Under One Year of Age.*

MONTHS OF BIRTHS, 1876.	Born in 1876 Died under 1 Year of Age.	Months of Death, 1876. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Months of Death, 1877. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Per Cent. Died Aged under 1 month. [a]	Births in 1876, as Returned. [b]	Per Cent. of Children who Died aged under 1 month to all Children born. [c]
Born in 1876 died aged under 1 Yr.	3,328	88	103	156	170	177	156	269	439	373	242	227	294	84	82	78	58	48	48	59	106	48	19	4	....	--------	b 34,131	----------
January	241	88	19	13	11	5	6	19	36	25	10	4	5	..	....	....	....	....	....	....	....	....	....	....	....	36.51	2,283	3.85
February	247	....	84	17	15	18	13	22	39	15	9	8	4	3	..	....	....	....	....	....	....	....	....	....	....	34.01	2,352	3.57
March	284	....	....	126	16	13	15	20	39	21	11	6	11	4	2	..	....	....	....	....	....	....	....	....	....	44.37	2,744	4.59
April	307	....	....	....	128	25	14	26	39	37	8	10	10	4	5	1	..	....	....	....	....	....	....	....	....	41.69	2,730	4.69
May	309	....	....	....	....	116	11	31	52	41	16	9	9	5	1	5	13	..	....	....	....	....	....	....	....	37.54	2,870	4.04
June	262	....	....	....	....	....	97	27	33	34	17	8	8	5	7	9	6	11	..	....	....	....	....	....	....	37.02	2,739	3.54
July	280	....	....	....	....	....	....	124	45	33	14	3	11	5	10	12	6	7	10	..	....	....	....	....	....	44.29	3,014	4.11
August	306	....	....	....	....	....	....	....	156	35	15	17	14	6	13	9	8	15	5	13	..	....	....	....	....	50.98	3,124	4.99
September	285	....	....	....	....	....	....	....	....	132	27	22	14	10	8	12	5	3	7	12	33	..	....	....	....	46.32	3,110	4.24
October	265	....	....	....	....	....	....	....	....	....	115	21	27	12	15	9	9	1	5	12	22	17	..	....	....	43.40	3,039	3.78
November	270	....	....	....	....	....	....	....	....	....	....	119	28	16	8	11	6	7	10	13	27	16	9	..	....	44.07	2,921	4.07
December	272	....	....	....	....	....	....	....	....	....	....	....	153	14	13	10	5	4	11	9	24	15	10	4	..	56.25	3,205	4.77
Deaths at each Age. No. of Deaths.	3,328	....	....	....	....	....	....	....	....	....	....	....	....	1438	285	245	231	193	172	161	130	127	125	100	121	43.21	b 34,131	4.21
Deaths at each Age. Ages in Months	------	....	....	....	....	....	....	....	....	....	....	....	....	-1	1	2	3	4	5	6	7	8	9	10	11	--------	--------	----------

[a] That is, per cent. of children who died during month of birth to total born in 1876 who died aged under one year.
[b] Excluding 105 in unknown month,—53 males, 49 females, and 2 of unknown sex.
[c] That is, of the children born in 1876, the per cent. who died during month of birth,—according to the returns of births and of deaths. It should be born in mind that probably a larger proportion of the births and of the deaths are returned for the latter than for the former months of the year.

EXHIBIT 5.—*The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1877, according to the Returns.*

SEX, ETC., SPECIFIED.		YEAR, 1877.	MONTHS, 1877.												
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	Births	33,395	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145	71
	Deaths aged under one month	1,598	95	123	154	112	123	110	122	163	122	149	141	178	6
	Per Cent. of Deaths to Births	4.78	4.29	5.48	5.72	4.22	4.58	4.14	4.21	5.05	4.00	4.94	4.95	5.66	8.45
Males	Births	17,227	1,187	1,192	1,372	1,421	1,314	1,331	1,514	1,664	1,[illegible]30	1,501	1,446	1,631	34
	Deaths aged under one month	917	51	67	91	76	77	63	67	89	62	93	77	101	3
	Per Cent. of Deaths to Births	5.32	4.30	5.62	6.63	5.35	5.86	4.73	4.43	5.35	4.05	5.83	5.33	6.19	8.82
Females	Births	16,109	1,021	1,053	1,308	1,229	1,365	1,323	1,381	1,560	1,514	1,423	1,393	1,507	32
	Deaths aged under one month	644	42	55	56	35	41	45	53	73	56	54	56	76	2
	Per Cent. of Deaths to Births	4.00	4.11	5.22	4.28	2.85	3.00	3.40	3.84	4.68	3.70	3.79	4.02	5.04	6.25
Unknown	Births	59	4	1	10	5	4	3	4	3	4	1	5	7	5
	Deaths aged under one month	37	2	1	7	1	5	2	2	1	4	2	8	1	1

Table IX. shows certain data concerning the decedents in this State in 1877 aged one hundred years and over. There were five such decedents in 1877, and the average age of the five was 108 years.

TABLE IX.—*Deaths in Michigan during the Year 1877 of those Aged One hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.*

NAMES OF CENTENARIANS, 1877.	Sex.	Color.	Married, Single, or Widowed.	Birthplace.	Age.			Occupation.	Place of Death.		Date of Death, 1877.		Cause of Death.
					Year.	Month.	Day.		Town.	County.	Month.	Day.	
Elic Sheppard	Male	White.	Widower	France	122		a	Unknown	Crystal	Oceana	September	10	Old Age.
Lewis Jacobs	Male	White.	Married	Michigan	100		a	Not given	Erie	Monroe	November	11	Old Age.
Andrew Hartman	Male	White.	Widower	New York	107		a	Minister	Mayfield	Lapeer	March	26	Debility.
John Smith	Male	White.	Widower	New York	109		a	Baker	Attica	Lapeer	May	18	Lung Fever.
Mary McEvoy	Female	White.	Widow	Ireland	101		a	None	Detroit	Wayne	January	14	Debility.

a Not stated.

EXHIBIT H.—*Counties and Townships from which no Returns of Deaths for 1877 were received by this Department, showing Population in 1874, by Sex.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1877 WERE RECEIVED.	POPULATION, 1874.		
		Total.	Males.	Females.
Total		12,871	7,240	5,631
Antrim	Torch Lake	164	90	74
Berrien	Lincoln [a]	1,122	611	511
Cheboygan	Benton	1,488	857	631
Chippewa	Detour [a]	221	131	90
	Sugar Island [a]	332	173	159
Clare	Frost [b] [a]			
	Hayes [b] [a]			
	Sheridan [a]	212	125	87
	Winterfield [a]	28	13	15
Emmet	Friendship [b]			
	Maple River [b]			
Gladwin	Grout [a]	119	64	55
Isabella	Deerfield [b]			
Isle Royal [b]	All townships [b]	4	4	
Mackinac	Holmes	798	406	392
Manitou	Chandler	153	89	64
	South Manitou [c]			
Menominee	Breen [b] [a]			
	Breitung [b] [a]			
	Cedarville [a]	242	159	83
	Spaulding [b] [a]			
	Stephenson [b] [a]			
Montcalm	Belvidere	123	75	48
	Reynolds	1,271	731	540
	Richland	117	53	64
Muskegon	Montague [a]	1,360	746	614
Newaygo	Denver [a]	755	399	356
	Norwich [a]	171	108	63
Ogemaw [a b]	All townships [a]	207	153	54
Otsego [b]	Charlton [b] [a]			
	Elmira [b] [a]			
	Livingston [b] [a]			
Roscommon [b]	Denton [b] [a]			
	Higgins [b] [a]			
Schoolcraft	Munising [a]	472	320	152
	Onota [a]	517	309	208
St. Clair	Burchville [a]	716	393	323
	Clay [a]	1,384	716	668
	East China [a]	232	130	102
	Lynn [a]	464	266	198
Wexford	Harring [a]	199	119	80
	1st, 2d, & 3d wards, Cadillac [a]			

[a] County Clerk says there were no returns of deaths from the Supervisor.
[b] Organized since Census was taken.
[c] Census not returned.

TABLE X.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1877, and in each Month of the Year; also the Number of Deaths at each Period of Age.*

State and Counties.	Sex.	Year, 1877.	Months, 1877.													Ages in Periods of Years, 1877.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State[a]	Total	12,919	766	843	990	978	976	875	1040	1559	1400	1221	1060	1155	56	5207	718	387	516	572	549	459	412	392	402	362	387	477	517	462	433	436	231
	Males	6,827	408	427	525	542	495	466	565	819	746	634	550	623	27	2855	380	188	218	258	233	203	198	188	224	201	212	257	287	292	264	246	123
	Females	6,040	355	415	457	435	475	407	471	738	648	585	500	527	27	2314	337	199	298	314	316	256	214	204	178	161	175	220	230	170	169	190	98
	Unknown	52	3	1	8	1	6	2	4	2	6	2	10	5	2	41	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Alcona	Total	11	...	...	2	...	2	...	1	2	2	...	1	1	..	5	...	1	1	1	...	1	...	1	...	...	1	...	...	...	...	...	...
	Males	7	...	...	2	...	1	...	1	2	1	...	...	...	..	3	...	1	1	...	...	1	...	1	...	...	...	...	...	...	...	...	...
	Females	4	...	...	...	...	1	...	...	...	1	...	1	1	..	2	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
Allegan	Total	249	14	12	20	17	23	19	16	28	28	22	21	29	..	87	10	10	10	18	5	4	14	9	11	4	10	11	9	12	9	10	6
	Males	135	7	5	12	8	8	11	9	20	16	13	12	14	..	49	5	6	5	13	2	2	8	3	2	2	5	6	5	6	5	9	2
	Females	112	7	7	8	9	15	8	7	8	12	8	8	15	..	36	5	4	5	5	3	2	6	6	9	2	5	5	4	6	4	1	4
	Unknown	2	...	...	...	...	...	...	...	...	...	1	1	...	..	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alpena	Total	35	2	1	4	1	3	3	3	6	3	6	...	2	1	21	1	...	3	1	2	...	...	1	1	...	2	2	1	...	...	...	...
	Males	22	2	1	4	...	2	2	2	3	3	2	...	...	1	12	1	...	2	1	...	...	...	1	1	...	1	2	1	...	...	...	...
	Females	13	...	...	...	1	1	1	...	3	...	4	...	2	..	9	...	...	1	...	2	...	...	...	...	...	1	...	...	...	...	...	...
Antrim	Total	52	3	3	2	...	4	1	4	6	7	5	6	9	2	28	6	2	2	...	1	...	...	2	1	2	...	...	3	2	1	1	1
	Males	33	2	...	2	...	3	1	2	5	4	2	5	6	1	19	2	1	2	...	1	...	...	...	1	1	...	...	1	2	1	1	1
	Females	19	1	3	...	...	1	...	2	1	3	3	1	3	1	9	4	1	...	...	...	...	...	2	...	1	...	...	2	...	...	...	...

[a] For counties and townships not represented by returns of deaths in 1877, see Exhibit H, page 132.

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.													AGES IN PERIODS OF YEARS, 1877.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Baraga	Total	20	1	1	2	3	1	1	4	1	..	3	....	3	..	10	....	1	1	2	....		2	1	....	..	....	1	1	..	1	..	..
	Males	11	....	1	2	2	1	1	1	1	..	1	....	1	..	6	....	....	....	1	....		1	....	....	..	....	1	1	..	1	..	..
	Females	9	1	....	....	1	....	....	3	....	..	2	....	2	..	4	....	1	1	1	....	.	1	1	....	..	....	..	..	..	..	..	..
Barry	Total	216	19	14	16	15	9	18	9	17	35	28	16	20	..	99	10	6	13	6	6	9	....	6	7	4	5	10	4	8	15	6	2
	Males	112	8	11	10	8	6	9	5	4	17	16	5	13	..	57	6	2	4	2	2	4	....	3	6	1	3	7	3	3	4	4	1
	Females	103	11	3	6	7	3	9	4	13	18	12	11	6	..	42	4	4	9	4	4	5	....	3	1	3	2	3	1	5	11	2	..
	Unknown	1	....	....	....	..	....	....	....	....	..	....	....	1	..	....	....	....	....	....	....	.	....	....	....	..	....	..	..	..	..	..	1
Bay	Total	287	12	17	20	23	22	23	37	29	29	18	22	35	..	166	14	5	12	10	11	15	8	9	7	3	7	8	3	2	2	5	..
	Males	173	6	8	13	12	12	17	27	15	17	10	12	24	..	100	10	2	8	6	5	6	5	7	7	1	4	5	2	..	2	3	..
	Females	114	6	9	7	11	10	6	10	14	12	8	10	11	..	66	4	3	4	4	6	9	3	2	....	2	3	3	1	2	..	2	..
Benzie	Total	32	....	4	5	3	4	2	2	2	1	3	4	2	..	12	2	....	2	1	4	3	....	....	1	..	....	2	1	1	2	..	1
	Males	19	....	3	1	2	3	2	2	1	..	1	4	....	..	12	....	....	1	....	2	.	....	....	....	..	....	..	..	1	2	..	1
	Females	13	....	1	4	1	1	....	....	1	1	2	....	2	..	....	2	....	1	1	2	3	....	....	1	..	....	2	1	..	..	..	..
Berrien	Total	258	15	20	15	18	24	17	25	34	20	21	19	28	2	90	8	6	14	23	13	10	6	6	10	10	10	10	6	6	9	14	7
	Males	133	12	12	7	8	10	11	9	21	11	12	9	11	..	43	4	4	6	9	6	4	2	3	5	6	7	7	4	5	6	8	4
	Females	125	3	8	8	10	14	6	16	13	9	9	10	17	2	47	4	2	8	14	7	6	4	3	5	4	3	3	2	1	3	6	3

Branch	Total	281	19	19	28	29	19	16	18	31	35	25	24	18	..	94	15	6	14	10	10	11	3	7	10	13	17	16	20	15	9	9	2
	Males	128	8	8	13	18	8	11	6	11	17	9	9	10	..	45	5	4	2	5	4	5	1	4	3	7	7	8	10	7	6	5	..
	Females	153	11	11	15	11	11	5	12	20	18	16	15	8	..	49	10	2	12	5	6	6	2	3	7	6	10	8	10	8	3	4	2
Calhoun	Total	330	22	24	25	28	33	20	20	42	36	34	29	17	..	109	29	10	6	17	10	11	13	6	12	9	11	12	24	20	12	15	4
	Males	178	14	14	10	16	9	11	9	30	23	17	17	8	..	64	16	4	2	6	5	4	6	3	4	4	7	8	17	11	8	7	2
	Females	151	8	10	15	11	24	9	11	12	13	17	12	9	..	44	13	6	4	11	5	7	7	3	8	5	4	4	7	9	4	8	2
	Unknown	1	....	..	..	1	...	...	...	...	...	...	..	..	..	1	...	..	...	..	..	...	...	..	...	...	..	..	..	..	..	..	..
Cass	Total	166	15	7	17	12	10	13	6	25	19	14	16	12	..	53	9	6	4	5	7	3	7	5	1	4	4	15	12	13	5	9	4
	Males	91	11	2	6	10	6	5	3	15	8	10	10	5	..	32	3	1	3	1	3	2	5	2	...	4	1	9	8	6	4	6	1
	Females	75	4	5	11	2	4	8	3	10	11	4	6	7	..	21	6	5	1	4	4	1	2	3	1	...	3	6	4	7	1	3	3
Charlevoix	Total	32	1	2	1	3	5	2	...	4	5	4	...	4	1	14	...	..	2	...	3	...	1	..	2	...	...	1	..	1	1	..	7
	Males	16	....	1	1	3	2	1	...	2	3	1	...	2	..	10	...	..	...	...	...	...	...	..	2	...	...	..	..	1	1	..	2
	Females	15	1	1	..	...	3	1	...	2	2	3	...	2	..	4	...	..	2	...	3	...	1	..	...	...	...	1	..	..	..	..	4
	Unknown	1	....	..	...	...	.	...	...	...	...	...	...	...		....	...	..	...	...	...	...	...	..	...	...	...	..	..	..	..	..	1
Cheboygan	Total	28	1	2	6	...	1	2	1	4	4	4	2	1	..	15	7	1	...	...	2	1	...	1	...	...	...	..	..	..	..	..	1
	Males	19	1	1	4	...	1	2	...	2	2	4	1	1	..	11	4	1	...	...	2	1	...	..	...	...	...	..	..	..	..	..	..
	Females	9	...	1	2	...	.	...	1	2	2	...	1	...	..	4	3	..	...	...	...	...	...	1	...	...	...	..	..	..	..	..	1
Chippewa	Total	11	....	1	3	1	.	1	...	...	1	1	1	2	..	5	1	..	...	...	...		...	1		...	...	..	1	2	..	..	..
	Males	8	....	1	3	...	..	1	...	...	1	1	1	...	..	3	1	..	...	...	...		...	1		...	...	..	1	2	..	..	..
	Females	3	....	...	...	1	.	...	...	...	...	...	...	2	..	2	...	..	...	...	...		...	..		...	...	..	..	..	..	..	..
Clare	Total	18	1	2	1	4	..	1	1	1	4	1	1	1	..	8	...	..	2	1	...		1	..		...	...	..	..	..	..	1	5
	Males	11	....	1	...	3	.	1	...	...	3	1	1	1	..	3	...	..	1	1	...		1	..		...	...	..	..	..	..	1	4
	Females	7	1	1	1	1	..	...	1	1	1	...	...	...	..	5	...	..	1	...	...		...	..		...	...	..	..	..	..	..	1

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

Counties.	Sex.	Year, 1877.	Months, 1877.													Ages in Periods of Years, 1877.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Clinton	Total	182	11	15	12	9	18	10	13	20	16	17	20	21	..	66	6	6	10	11	10	3	4	4	8	8	7	10	11	5	9	2	2
	Males	96	8	5	6	5	11	4	8	14	9	7	7	12	..	40	4	4	3	7	3	1	2	2	4	2	5	3	6	3	4	2	1
	Females	86	3	10	6	4	7	6	5	6	7	10	13	9	..	26	2	2	7	4	7	2	2	2	4	6	2	7	5	2	5	..	1
Delta	Total	50	3	4	1	9	4	4	1	5	2	5	8	4	..	27	4	2	2	3	4	2	2	1	....	1	..	..	1	1	..	..	..
	Males	22	1	2	1	6	1	1	....	1	1	2	3	3	..	11	..	1	1	1	2	1	2	....	....	1	..	..	1	1	..	..	..
	Females	28	2	2	....	3	3	3	1	4	1	3	5	1	..	16	4	1	1	2	2	1	..	1	....	....	..	..	..	..	..	..	..
Eaton	Total	215	20	12	14	14	20	15	19	28	22	14	21	14	2	73	6	4	9	7	15	11	8	8	4	7	9	9	12	10	11	9	3
	Males	108	12	8	5	5	14	5	11	13	11	6	10	8	..	43	2	1	3	3	2	3	3	4	2	4	4	8	10	7	5	4	..
	Females	107	8	4	9	9	6	10	8	15	11	8	11	6	2	30	4	3	6	4	13	8	5	4	2	3	5	1	2	3	6	5	3
Emmet	Total	32	3	2	5	1	2	....	2	4	6	4	1	2	..	21	..	1	1	1	1	1	1	....	1	1	..	1	..	1	1	..	..
	Males	16	..	1	3	1	1	....	2	1	4	2	1	..	..	11	..	1	....	..	....	1	1	....	....	....	..	..	..	1	1	..	..
	Females	16	3	1	2	....	1	....	....	3	2	2	..	2	..	10	..	....	1	1	1	....	..	....	1	1	..	1	..	..	..	..	..
Genesee	Total	268	14	26	19	21	16	15	17	25	36	30	26	22	1	104	23	11	10	12	12	6	2	11	9	6	1	1	13	11	12	8	6
	Males	146	7	14	8	14	10	9	11	14	16	19	14	10	..	61	14	3	4	5	8	5	..	4	5	3	4	..	8	8	8	4	2
	Females	120	7	12	11	7	6	6	6	11	19	11	12	11	1	43	8	8	6	7	4	1	2	7	4	3	7	..	5	3	4	4	3
	Unknown	2	..	....	....	....	....	....	....	..	1	....	..	1	..	....	1	....	....	..	....	....	..	....	....	..	..	..	..	..	..	..	1
Gladwin	Total	8	..	....	1	1	....	....	1	..	3	....	..	2	..	3	..	....	....	1	....	....	..	....	....	1	1	..	..	..	..	..	1
	Males	7	..	....	1	1	....	....	1	..	3	....	..	1	..	3	..	....	....	1	....	....	..	....	....	1	..	..	..	..	..	..	1
	Females	1	..	....	....	....	....	....	....	..	..	....	..	1	..	....	..	....	....	..	....	....	..	....	....	..	1	..	..	..	..	..	..

Gr. Traverse	Total	67	....	5	6	....	7	....	3	13	15	10	5	3	..	22	12	7	4	5	3	1	1	..	1	....	....	....	2	2	3	2	1
	Males	33	....	4	3	....	3	....	3	5	7	4	2	2	..	16	5	4	1	1	..	1	..	..	1	....	....	....	1	1	1	1	..
	Females	34	....	1	3	....	4	....	....	8	8	6	3	1	..	6	7	3	3	4	3	..	1	..	....	....	....	....	1	1	2	1	1
Gratiot	Total	145	6	4	7	9	6	13	11	18	21	12	22	16	..	64	11	9	6	3	12	9	1	7	4	1	3	..	6	3	1	2	2
	Males	75	4	....	3	6	2	5	6	8	12	7	12	10	..	34	5	5	4	2	5	1	1	4	2	1	3	..	4	1	..	2	1
	Females	69	2	4	3	3	4	8	5	10	9	5	10	6	..	29	6	4	2	1	7	8	..	3	2	....	....	..	2	2	1	..	1
	Unknown	1	....	....	1	....	..	....	....	..	..	..	....	..	..	1	..	..	..	..	..	..	..	..	....	....	....	..	..	..	..	..	..
Hillsdale	Total	287	14	23	20	29	32	14	17	31	30	26	25	26	..	86	19	14	13	13	9	10	7	8	11	10	14	17	16	11	13	13	5
	Males	143	9	7	11	14	12	8	7	18	12	20	16	9	..	48	12	7	6	2	2	6	2	3	5	6	7	7	7	8	7	7	1
	Females	144	5	16	9	15	20	6	10	13	18	6	9	17	..	38	7	7	7	11	7	4	5	5	6	4	7	10	9	3	6	6	2
Houghton	Total	253	15	12	21	7	16	23	9	41	38	18	28	25	..	75	14	5	5	12	3	7	6	4	6	3	1	..	2	2	1	1	5
	Males	127	4	3	14	5	11	12	6	18	19	8	11	16	..	83	6	3	4	7	1	6	4	2	5	2	1	..	1	..	1	1	..
	Females	116	9	9	5	2	3	10	3	23	19	10	15	8	..	85	8	2	1	5	2	1	2	2	1	1	..	..	1	2	..	..	2
	Unknown	10	2	....	2	....	2	....	....	..	..	..	2	1	..	7	..	..	..	..	..	..	..	..	....	....	..	..	..	..	..	..	3
Huron	Total	87	8	5	6	7	4	2	8	18	5	10	5	8	1	47	5	3	..	2	1	5	2	3	2	1	4	..	3	3	3	1	..
	Males	47	4	3	3	5	2	..	4	10	3	6	2	3	1	27	3	2	..	1	..	1	..	2	1	1	3	..	2	2	1	..	..
	Females	40	4	2	3	2	2	..	4	8	2	4	3	5	..	20	2	1	..	1	1	4	2	1	1	....	1	..	1	1	2	1	..
Ingham	Total	181	10	8	11	18	24	18	12	10	21	14	13	21	1	57	9	5	4	9	9	14	10	6	2	4	4	12	9	7	5	12	3
	Males	87	3	5	5	8	16	6	2	6	13	6	6	10	1	30	4	1	3	4	4	4	3	..	2	2	1	6	6	6	3	6	2
	Females	91	7	3	5	10	8	12	10	4	8	8	5	11	..	24	5	4	1	5	5	10	7	6	....	2	3	6	3	1	2	6	1
	Unknown	3	....	....	1	....	..	..	..	..	..	..	2	....	..	3	..	..	..	..	..	..	..	..	....	....	..	..	..	..	..	..	..
Ionia	Total	211	15	15	13	16	12	15	19	31	26	15	14	20	..	75	13	7	10	10	7	1	6	..	6	11	6	6	16	9	6	13	2
	Males	124	10	9	10	8	6	10	13	12	16	9	8	13	..	48	7	5	6	4	5	..	3	..	3	7	3	5	7	6	3	8	2
	Females	85	5	6	3	8	6	5	6	19	9	6	5	7	..	25	6	2	4	6	2	1	3	5	3	4	3	1	9	3	3	5	..
	Unknown	2	....	....	....	....	..	..	..	..	1	..	1	....	..	2	....	....	....	....	..	..	..	..	....	....	..	..	..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.													AGES IN PERIODS OF YEARS, 1877.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Iosco	Total	28	....	1	1	2	4	1	3	5	2	2	4	3	..	15	....	....	....	3	4	1	....	1	2	1	....	1	..	..	..	..	..
	Males	15	....	1	1	....	4	1	1	1	1	....	3	2	..	8	....	....	....	1	1	....	....	1	2	1	....	1	..	..	..	..	..
	Females	13	....	....	....	2	....	....	2	4	1	2	1	1	..	7	....	....	....	2	3	1	....	....	....	....	....	..	..	..	..	..	..
Isabella	Total	72	2	3	4	7	5	2	6	12	12	6	7	6	..	36	4	2	6	4	4	2	2	1	1	....	2	3	2	..	1	1	1
	Males	36	....	2	1	5	3	1	4	4	7	3	2	4	..	23	1	2	3	....	1	....	1	....	....	....	1	2	2	..	..	..	..
	Females	36	2	1	3	2	2	1	2	8	5	3	5	2	..	13	3	....	3	4	3	2	1	1	1	....	1	1	..	..	1	1	1
Jackson	Total	366	26	16	26	34	28	22	28	35	24	34	42	51	..	121	38	18	15	16	14	11	8	9	9	7	14	22	22	11	17	13	1
	Males	201	17	9	10	21	14	11	18	21	12	18	25	25	..	70	24	11	4	4	7	7	6	4	8	4	6	9	12	7	11	6	1
	Females	165	9	7	16	13	14	11	10	14	12	16	17	26	..	51	14	7	11	12	7	4	2	5	1	3	8	13	10	4	6	7	..
Kalamazoo	Total	317	16	20	25	25	20	19	23	41	38	29	32	27	2	84	14	9	19	16	17	12	18	12	12	14	10	18	12	16	17	11	6
	Males	161	6	5	12	16	7	11	13	16	27	18	17	13	..	48	9	3	8	7	4	4	8	4	6	7	5	9	9	13	11	5	1
	Females	156	10	15	13	9	13	8	10	25	11	11	15	14	2	36	5	6	11	9	13	8	10	8	6	7	5	9	3	3	6	6	5
Kalkaska	Total	18	....	1	4	....	1	2	3	....	1	3	1	2	..	12	....	1	....	1	....	....	....	1	....	....	....	..	1	..	1	..	1
	Males	10	....	1	3	....	1	1	1	....	....	2	....	1	..	7	....	....	....	1	....	....	....	....	....	....	....	..	..	..	1	.	1
	Females	8	....	....	1	....	....	1	2	....	1	1	1	1	..	5	....	1	....	....	....	....	....	1	....	....	....	..	1	..	..	..	..
Kent	Total	633	35	35	34	50	52	47	64	68	70	83	41	44	10	264	47	22	25	32	25	23	17	21	26	28	15	20	15	16	14	13	10
	Males	326	22	23	17	23	26	18	39	31	34	37	27	27	2	133	26	6	7	15	9	12	8	11	12	19	10	14	11	11	12	8	2
	Females	303	13	12	15	27	25	29	25	37	35	46	14	17	8	127	21	16	18	17	16	11	9	10	14	9	5	6	4	5	2	5	8
	Unknown	4	....	....	2	....	1	....	....	....	1	....	....	....	..	4	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

Keweenaw	Total	66	3	1	8	3	5	3	6	8	13	5	8	3	45	2	1	1	2	1	1	2	1	1	2	2	2	..	1	..	..	2
	Males	43		....	6	1	4	3	6	4	8	4	5	2	28	2	1	1		....	....		....	1	1	2	1	..	1	..	..	2
	Females	23	3	1	2	2	1	.	..	4	5	1		1	17	....	.	.		1	1		1	..	1	..	1	..	..	..	..	..
Lake	Total	20		1	4	1	2	3	..		2	....		3	8	....	.	2		3	....		1	..	1	..	..	..	1	..	..	1
	Males	8		....	1	1	.	1	..		2	....		1	4	....	.	1		1	....		....	..	1	..	..	..	..	..	..	..
	Females	12		1	3	..	2	2	..		....	....		2	4	....	.	1		2	....		1	..	.	..	..	..	1	..	..	1
Lapeer	Total	229		8	16	10	19	17	11	27	32	34	23	21	96	9	6	15		16	7	9	4	8	7	10	6	6	5	5	8	1
	Males	116	6	4	8	6	11	10	7	14	13	15	12	10	55	3	3	7		6	1		2	5	2	7	4	2	3	2	5	..
	Females	112	5	4	8	4	8	7	4	13	19	19	10	1	40	6	3	8		10	6		2	3	5	3	2	4	2	3	3	1
	Unknown	1		....	..	..	.	.	..		....	....		.	1	....	.	.		....	....		....	..	.	..	..	..	..	..	..	..
Leelanaw	Total	48		2	3	3	6	4	4		7	2		6	24	....	1	2		....	1		4	2	2	2	2	1	..	4	1	1
	Males	24		2	2	..	3	1	2		2	1		4	15	....	1	1		....	....		1	2	.	..	1	1	..	1	1	..
	Females	24		....	1	3	3	3	2		5	1		2	9	....	.	1		....	1		3	..	2	2	1	..	..	3	..	1
Lenawee	Total	390	23	36	24	26	29	23	37	48	41	40	30	33	99	17	10	14	25	17	10	13	13	12	16	13	18	26	26	25	30	6
	Males	208	14	18	10	18	14	12	22	24	24	20	15	17	50	8	3	9	14	6	3		2	7	7	7	8	18	24	15	19	4
	Females	181		18	14	8	5	1	15	24	16	20	15	16	48	9	7	5		11	7		1	5	9	6	10	8	2	10	11	2
	Unknown	1		....	..	..	.	.	..		1	....		.	1	....	.	.		....	....		....	..	..	..	..	..	..	..	..	..
Livingston	Total	182		15	12	11	13	10	12		36	23	16	12	59	7	2	14		5	6		5	7	11	11	9	12	5	11	7	..
	Males	105	10	6	4	7	7	7	8	6	21	13	11	5	36	3	..	3		4	3		2	5	7	6		9	3	6	4	..
	Females	77		9	8	4	6	3	4		15	10	5	7	23	4	2	1		1	3		3	2	4	5		3	2	5	3	..
Mackinac	Total	16		....	2	1	3	2	1		....	....		4	5	1	.	.		1	....		1	..	.	..		..	..	1	4	..
	Males	7		....	2	1	.	1	..		....	....		2	2	....	.	.		....	....		1	..	....	....		..	..	1	1	..
	Females	8		....	..	..	3	1	..		....	....		2	2	1	.	.		1	....		....	..	....	....		..	..	..	3	..
	Unknown	1		....	..	..	.	.	1		....	....		.	1	....	.	.		....	....		....	..	....	....		..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.													AGES IN PERIODS OF YEARS, 1877.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Macomb	Total	269	13	12	22	23	17	19	17	37	42	19	24	22	2	108	12	8	6	15	9	13	8	8	11	5	7	11	14	8	12	14	..
	Males	146	6	3	15	16	8	13	12	16	21	8	16	11	1	58	8	3	3	5	2	7	7	6	4	2	4	7	10	5	7	8	..
	Females	123	7	9	7	7	9	6	5	21	21	11	8	11	1	50	4	5	3	10	7	6	1	2	7	3	3	4	4	3	5	6	..
Manistee	Total	101	1	6	13	8	5	7	15	14	7	11	9	5	..	60	4	1	4	5	3	7	4	5	1	1	....	1	2	2	1	..	..
	Males	56	1	4	7	5	2	3	10	8	3	6	5	2	..	33	2	1	1	3	1	5	2	4	....	....	....	1	1	1	1	..	..
	Females	45	....	2	6	3	3	4	5	6	4	5	4	3	..	27	2	....	3	2	2	2	2	1	1	1	....	..	1	1	..	..	..
Manitou	Total	10	1	1	2	4	....	....	1	....	....	1	....	....	..	....	....	....	....	....	2	2	1	....	....	1	1	2	..	1	..	..	..
	Males	4	....	....	1	3	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	2	....	....	....	....	1	..	..	1	..	..	..
	Females	6	1	1	1	1	....	....	1	....	....	1	....	....	..	....	....	....	....	....	2	....	1	....	....	1	....	2	..	..	..	..	..
Marquette	Total	232	4	11	16	16	20	20	23	34	19	32	14	22	1	152	13	4	8	8	7	7	7	2	6	4	4	3	3	3	..	1	..
	Males	139	2	3	10	10	17	10	10	20	14	18	9	15	1	84	10	4	3	3	4	4	6	2	4	4	3	3	2	2	..	1	..
	Females	93	2	8	6	6	3	10	13	14	5	14	5	7	..	68	3	....	5	5	3	3	1	....	2	...	1	..	1	1	..	..	..
Mason	Total	34	1	1	5	2	3	1	2	6	5	3	3	2	..	18	1	2	2	1	2	1	1	....	2	1	....	1	..	1	..	..	1
	Males	16	1	1	3	2	....	....	1	4	1	....	1	2	..	9	1	....	....	....	....	....	1	....	2	1	....	1	..	..	..	..	1
	Females	17	....	....	2	....	3	1	1	2	4	3	1	....	..	8	....	2	2	1	2	1	....	....	....	....	....	..	..	1	..	..	..
	Unknown	1	....	....	....	....	....	....	....	....	....	....	1	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Mecosta	Total	60	3	4	6	3	6	4	1	6	9	9	3	6	..	28	2	2	3	2	4	4	1	1	3	1	....	3	1	1	2	2	..
	Males	30	1	1	3	2	4	3	1	3	5	5	....	2	..	16	1	1	2	1	3	1	....	....	2	1	....	1	..	..	1	..	..
	Females	30	2	3	3	1	2	1	....	3	4	4	3	4	..	12	1	1	1	1	1	3	1	1	1	....	....	2	1	1	1	2	..

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

Menominee	Total	14	----	--	1	1	1	1	3	3	2		--	2	11	-	--	1	1	----	----	--	----	----	-	----	--	--	--	--	1	--
	Males	10	----	--	1	1	1	1	2	2	1		--	1	7	-	--	1	1	----	----	--	----	----	-	----	--	--	--	--	1	--
	Females	4	----	--	--	----	-	--	1	1	1		--	1	4	-	--	----	-	----	----	--	----	----	-	----	--	--	--	--	--	--
Midland	Total	58	1	5	6	6	2	7	5	8	5		4	5	20	7	2	2	3	2	4	1	4	2	1	3	2	1	3	--	1	--
	Males	32	1	3	4	3	-	4	3	6	3		1	2	12	6	1	1	2	1	2	1	----	1	-	1	--	1	2	--	1	--
	Females	26	----	2	2	3	2	3	2	2	2		3	3	8	1	1	1	1	1	2	--	4	1	1	2	2	--	1	--	--	--
Missaukee	Total	9	----	--	1	----	1	--	1	2	--		1	2	4	-	--	----	-	1	--	--	1	----	-	----	--	--	2	1	--	--
	Males	7	----	--	1	----	1	--	1	1	--		1	1	2	-	--	----	-	1	--	--	1	----	-	----	--	--	2	1	--	--
	Females	2	----	--	--	----	-	--	--	1	--	----	--	1	2	-	--	----	-	----	--	--	----	----	-	----	--	--	--	--	--	--
Monroe	Total	265	18	18	18	14	11	19	19	41	30	31	26	20	106	18	10	6	1	11	12	6	4	11	4	4	8	16	14	9	12	3
	Males	133	9	10	7	6	5	11	9	24	19	15	9	9	64	7	6	2	3	3	4	--	2	3	1	3	4	6	10	3	10	2
	Females	132	9	8	11	8	6	8	10	17	11	16	17	11	42	11	4	4	8	8	8	6	2	8	3	1	4	10	4	6	2	1
Montcalm	Total	144	8	8	12	9	8	10	12	11	20	21	12	13	71	1	2	6	6	6	5	4	4	4	2	7	5	--	3	1	3	4
	Males	63	6	2	6	4	4	5	5	3	8	5	6	9	31	2	--	2	3	4	3	--	2	3	1	3	3	--	3	1	--	2
	Females	81	2	6	6	5	4	5	7	8	12	16	6	4	40	9	2	4	3	2	2	4	2	1	1	4	2	--	--	--	3	2
Muskegon	Total	115	2	13	4	8	5	6	10	18	12	13	15	9	52	6	1	7	6	4	7	3	4	7	4	4	--	2	2	1	2	3
	Males	62	2	7	2	3	-	4	6	12	7	5	8	6	33	.	1	1	2	2	3	1	3	2	3	3	--	1	2		2	3
	Females	52	----	6	2	5	5	2	4	6	5	8	6	3	18	6	--	6	4	2	4	2	1		1	1	--	1	--		--	--
	Unknown	1	----	--	--	----	-		----	-	--	----	1	---	1	-	--	----	-	----	--	--	----		-	----						--
Newaygo	Total	64	4	10	5	2	7	3	4	4	5	6	8	5	23	7	5	1	2	2	--	2	1		3	1			4			2
	Males	27	2	6	2	----	4		1	2	2	1	3	3	11	4	1	1	1	----	--	--	----		-	1			1			1
	Females	37	2	4	3	2	3	3	3	2	3	5	5	2	12	3	4	----	1	2	--	2	1		3	----		2	3			1

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.													AGES IN PERIODS OF YEARS, 1877.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oakland	Total	324	21	13	16	27	29	19	24	49	42	34	22	27	1	88	16	8	14	13	17	8	7	12	10	16	16	16	22	18	26	15	2
	Males	161	12	5	8	14	10	8	12	21	22	19	13	16	1	44	8	4	6	5	7	1	2	5	6	8	9	12	8	10	17	9	..
	Females	162	9	7	8	13	19	11	12	28	20	15	9	11	..	43	8	4	8	8	10	7	5	7	4	8	7	4	14	8	9	6	2
	Unknown	1	....	1	....	....	....	....	....	....	....	....	....	....	..	1	..	....	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..
Oceana	Total	22	9	5	9	7	4	9	9	11	11	9	3	5	1	44	5	2	5	3	2	5	6	2	....	1	3	2	1	3	5	2	1
	Males	45	5	1	6	2	2	4	6	5	7	4	1	2	..	19	2	1	3	2	....	2	2	1	....	1	3	1	1	2	4	1	..
	Females	46	4	4	3	5	2	5	3	6	4	5	2	3	..	24	3	1	2	1	2	3	4	1	....	....	....	1	..	1	1	1	1
	Unknown	1	....	....	....	....	....	....	....	..	....	....	....	....	1	1	..	....	....	..	....	....	....	....	....	....	....	..	..	..	..	..	..
Ontonagon	Total	18	....	....	1	3	2	2	3	1	....	1	1	4	..	7	2	1	....	1	1	....	....	2	....	....	1	1	..	..	..	2	..
	Males	7	....	....	....	1	1	1	1	1	....	....	1	1	..	....	1	....	....	..	1	....	....	2	....	....	1	..	..	..	..	2	..
	Females	11	....	....	1	2	1	..	2	..	....	1	....	3	..	7	1	1	....	1	....	....	....	....	....	....	....	1	..	..	..	..	..
Osceola	Total	64	4	4	6	6	..	3	8	8	10	5	2	7	1	29	3	1	5	2	2	....	5	1	....	1	1	1	1	4	1	2	5
	Males	44	1	3	5	5	..	..	7	6	7	4	1	4	1	20	1	1	5	1	1	....	2	....	....	....	1	1	..	4	1	1	5
	Females	20	3	1	1	1	....	3	1	2	3	1	1	3	..	9	2	....	....	1	1	....	3	1	....	1	....	..	1	..	..	1	..
Otsego	Total	6	....	....	....	1	1	..	3	..	1	....	....	....	..	1	..	1	....	..	....	1	1	..	..	1	....	..	..	..	..	1	..
	Males	1	....	....	....	....	....	....	..	..	1	....	....	....	..	....	..	....	....	..	....	....	....	..	..	1	....	..	..	..	..	..	..
	Females	5	....	....	....	1	1	....	3	....	....	....	....	....	..	1	..	1	....	..	....	1	1	..	..	..	..	..	..	..	..	1	..
Ottawa	Total	274	21	22	23	20	24	20	1	36	31	28	13	21	4	129	9	2	14	8	10	6	9	6	10	10	5	14	10	9	9	8	6
	Males	162	12	17	17	9	17	13	7	22	18	12	5	10	3	74	6	2	4	3	7	4	4	5	6	5	4	8	8	7	6	5	4
	Females	111	8	5	6	11	7	7	4	14	13	15	8	11	1	54	3	....	10	5	3	2	5	..	4	5	1	6	2	2	3	3	2
	Unknown	1	1	....	....	....	....	....	....	....	....	....	....	....	..	1	..	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

Presq'e Isle	Total	19	1	3	2	....	1	..		..	1	8	1	2	..	8	..	1	1	2	..	..	1	1	.	....	..	2	2	..	..	..	1
	Males	10	....	3	1	....	..	..		..	....	3	1	2	..	6	..	1	1	..	..	..	..	..	.	....	..	..	1	..	..	..	1
	Females	9	1	.	1	....	1	..		..	1	5	....	....	..	2	..	..	..	2	..	..	1	1	.	....	..	2	1	..	..	..	..
Roscommon	Females	4	....	1	..	....	..	..		1	1	..	....	....	..	2	..	..	1	..	1	..	..	..	.	....	..	..	..	..	..	..	..
Saginaw	Total	535	30	38	40	38	41	40	39	68	60	46	50	41	4	279	19	17	13	22	16	20	18	15	16	14	13	17	10	15	14	11	6
	Males	278	17	15	18	23	20	18	16	44	28	27	28	22	2	150	12	9	5	12	5	6	9	8	10	10	4	9	6	6	8	4	5
	Females	253	13	23	22	15	19	22	23	23	31	19	22	19	2	125	7	8	8	10	11	14	9	7		4	9	8	4	9	6	7	1
	Unknown	4	....	.	..	....	2	..		1	1	..	....	....	..	4	..	..	..	..	..	..	..	..	.	....	..	..	..	..	..	..	..
Sanilac	Total	186	8	13	8	20	15	9	13	27	19	24	16	14	..	79	16	7	11	5	15	5	3	3		3	3	8	8	6	4	8	1
	Males	78	3	5	2	7	4	7		14	8	10	7	7	..	35	7	2	2	2	7	1	2	1	.	2	..	3	2	3	1	7	1
	Females	108	5	8	6	13	11	2		13	11	14	9	7	..	44	9	5	9	3	8	4	1	2		1	3	5	6	3	3	1	..
Schoolcraft	Total	5	....	1	..	1	..	..		1	....	..	1	....	..	2	1	1	.	..	..	..	..	..		....	..	..	..	..	..	..	..
	Males	3	....	1	..	....	..	..		1	....	..	....	....	..	1	1	1	.	..	..	..	..	..	.	....	..	..	..	..	..	..	..
	Females	2	....	.	..	1	..	..		..	....	..	1	....	..	1	..	..	.	..	..	..	..	..		....	..	..	..	..	..	..	..
Shiawassee	Total	158	9	7	8	10	15	12		18	22	24	11	16	..	53	9	6	9	6	9	10	5	2	3	5	7	4	6	8	5	6	5
	Males	84	5	4	3	4	10	8		9	9	10	6	12	..	30	5	3	5	2	5	5	1	..		2	3	3	3	5	5	4	2
	Females	73	4	3	5	6	5	4		9	13	13	5	4	..	22	4	3	4	4	4	5	4	2	2	3	4	1	3	3	..	2	3
	Unknown	1	....	.	..	....	..	..		..	....	1	....	....	..	1	..	..	.	..	..	..	..	..		....	..	..	..	..	..	..	..
St. Clair	Total	324	20	28	23	19	21	18	25	54	40	24	20	31	1	130	16	13	12	8	16	12	16	11	8	9	9	8	12	7	13	17	7
	Males	164	10	13	12	10	11	9	11	22	18	17	11	19	1	62	10	11	4	5	5	7	6	5	3	5	7	4	6	4	8	8	4
	Females	157	10	15	11	9	10	9	12	31	22	7	9	12		65	6	2	8	3	11	5	10	6	5	4	2	4	6	3	5	9	3
	Unknown	3	....	....	....	....	..	..	2	1	....	..	....	....		3	..	..	.	..	..		..	..	.	....	..	..	..	..	..	..	..
St. Joseph	Total	199	13	15	21	20	22	13	11	23	22	11	14	14		64	11	6	6	10	8	4	4	8	3	8	8	11	9	11	9	18	1
	Males	102	6	7	10	10	9	7	5	10	12	8	9	9		37	5	..	4	2	5		3	6	3	2	3	4	1	9	5	12	1
	Females	97	7	8	11	10	13	6	6	13	10	3	5	5		27	6	6	2	8	3	4	1	2	.	6	5	7	8	2	4	6	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1877.*

COUNTIES.	SEX.	YEAR, 1877.	MONTHS, 1877.													AGES IN PERIODS OF YEARS, 1877.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Tuscola	Total	164	7	9	19	16	8	21	8	20	16	14	16	10	..	59	10	4	12	9	7	6	6	9	4	3	3	5	11	3	3	6	4
	Males	76	1	3	8	7	5	12	5	9	8	8	6	4	..	27	5	2	3	2	2	2	3	4	2	2	2	4	6	1	3	4	2
	Females	88	6	6	11	9	3	9	3	11	8	6	10	6	..	32	5	2	9	7	5	4	3	5	2	1	1	1	5	2	..	2	2
Van Buren	Total	218	14	16	27	17	20	13	20	15	22	16	18	20	..	59	6	6	5	11	16	10	9	12	11	8	7	7	12	11	13	10	5
	Males	102	8	9	12	9	7	4	9	5	11	8	8	12	..	28	5	4	3	3	7	3	1	6	5	2	2	2	5	8	9	5	4
	Females	116	6	7	15	8	13	9	11	10	11	8	10	8	..	31	1	2	2	8	9	7	8	6	6	6	5	5	7	3	4	5	1
Washtenaw	Total	362	20	30	27	27	33	24	24	51	32	35	28	31	..	101	11	13	12	21	13	7	19	10	12	12	12	21	20	29	25	23	1
	Males	186	8	19	13	15	13	13	13	27	17	20	16	12	..	59	5	4	6	8	7	3	9	6	5	6	7	6	13	15	15	12	..
	Females	176	12	11	14	12	20	11	11	24	15	15	12	19	..	42	6	9	6	13	6	4	10	4	7	6	5	15	7	14	10	11	1
Wayne	Total	2,170	160	149	182	176	144	151	243	248	160	162	164	214	17	900	128	60	77	84	96	89	86	75	78	51	61	72	75	66	47	50	75
	Males	1,197	80	81	108	103	85	82	132	139	88	89	80	120	10	491	70	31	34	48	50	49	52	39	53	36	37	39	32	39	30	21	46
	Females	964	80	68	72	73	58	68	110	109	71	73	83	92	7	404	58	29	43	36	46	40	34	36	25	15	24	33	43	27	17	29	25
	Unknown	9	....	....	2	....	1	1	1	....	1	....	1	2	..	5	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	4
Wexford	Total	25	1	1	1	3	2	1	1	3	6	4	....	2	..	16	2	1	....	....	....	1	....	1	....	1	1	..	2	..	..	..	..
	Males	15	1	....	....	1	....	1	....	3	5	2	....	2	..	9	1	1	....	....	....	....	....	1	....	1	....	..	2	..	..	..	..
	Females	10	....	1	1	2	2	....	1	....	1	2	....	....	..	7	1	....	....	....	....	1	....	....	....	....	1	..	..	..	..	..	..

EXHIBIT I.—*Counties and Townships in which it is Reported that no Deaths Occurred in 1877.*

COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1877.	POPULATION, 1874.		
		Total.	Males.	Females.
Total		5,969	3,420	2,549
Alcona	Comins[a]			
Alpena	Ossineke	110	78	32
Bay	Moffit[a]			
Benzie	Lake	40	22	18
Charlevoix	Bear Lake[a]			
	Springvale[a]			
Cheboygan	Duncan	161	84	77
	Nunda[a]			
Iosco	Grant	51	31	20
	Plainfield	119	71	48
	Sherman[a]			
	Thompson	56	35	21
Kalkaska	Clearwater	310	174	136
	Cold Springs	51	26	25
	Excelsior[a]			
	Rapid River	235	133	102
	South Branch[a]			
Leelanaw	Empire	416	220	196
Manistee	Arcadia	226	126	100
	Morilla	133	71	62
	Springdale	49	28	21
Marquette	Forsyth	34	25	9
Mason	Hamlin	141	101	40
	Lincoln	131	73	58
Mecosta	Martiny[a]			
	Sheridan	160	90	70
Midland	Jasper	173	97	76
	Mt. Hayley	99	59	40
Missaukee	Pioneer	60	40	20
	Reeder	199	144	55
	West Branch	64	52	12
Oceana	Grant	302	175	127
Ontonagon	Carp Lake	76	52	24
Osceola	Hartwick	145	80	65
	Le Roy	385	208	177
	Marion[a]			
	Middle Branch	86	47	39
Ottawa	Blendon	639	338	301
Sanilac	Austin	465	246	219
	Custer[a]			
	Lamotte	158	85	73
Tuscola	Novesta	171	92	79
Wexford	Cleon	94	56	38
	Greenwood	136	103	33
	Henderson	75	45	30
	Liberty[a]			
	Wexford	219	113	106

[a] Organized since Census was taken.

TABLE XI.—*Deaths in Michigan during the Year 1877, distinguishing the Color by Number and Proportion of each Sex; and, by Sex, the Per Cent. of Decedents of each Color to Total of All Colors.*

COLOR.	SEX.	No. of Deaths Returned.	Per Cent. of Deaths of Each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent. of Deaths of each Color to Total of All Colors, by Sex.
All Colors	Total	12,919	.....	.....	100.00
	Males	6,827	53.06	113.03	100.00
	Females	6,040	46.94	.....	100.00
	Unknown	52	.....	.....	100.00
White	Total	12,569	.....	.....	97.29
	Males	6,658	53.12	113.33	97.52
	Females	5,875	46.88	.....	97.27
	Unknown	36	.....	.....	69.23
Black	Total	74	.....	.....	.57
	Males	41	55.41	124.24	.60
	Females	33	44.59	.....	.55
Mulatto	Total	33	.....	.....	.26
	Males	15	45.45	83.33	.22
	Females	18	54.55	.....	.30
Indian	Total	93	.....	.....	.72
	Males	51	54.84	12.14	.75
	Females	42	45.16	.....	.70
Unknown	Total	150	.....	.....	1.16
	Males	62	46.27	86.11	.91
	Females	72	53.73	.....	1.19
	Unknown	16	.....	.....	30.77
Black and Mulatto	Total	107	.....	.....	.83
	Males	56	52.34	109.80	.82
	Females	51	47.66	.....	.84

TABLE XII.—*Exhibiting, by Number and by Sex, for the State and Counties the Color of All Persons Reported as having Died in Michigan during the Year ending December 31, 1877.*

STATE AND COUNTIES	All Colors—Sex				White				Black				Mulatto				Indian				Unknown			
	Total	Males	Females	Unknown	Total	Males	Females	Unknown	Total	Males	Females	Unknown	Total	Males	Females	Unknown	Total	Males	Females	Unknown	Total	Males	Females	Unknown
State	15,[illegible]	8,[illegible]	6,[illegible]	32	14,[illegible]	8,[illegible]	5,[illegible]	26	74	47	27		32	18	14		85	52	43		230	62	72	16
Alcona	1		4		1		4																	
Alegan	2[illegible]	1[illegible]	1[illegible]	1	2[illegible]	1[illegible]	1[illegible]	2	1		1		1	1	1									
Alpena	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Antrim	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										1	1						
Barage	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										5	2	3					
Barry	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1																
Bay	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		1	1	1						1	4						
Berrien	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		1	1	1													
Branch	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		1	1	1										1	1		
Brown	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Calhoun	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1	1		1		1		1		2		2		[illegible]	25	16	
Cass	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		1		1		14	7	8									
Charlevoix	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1	1	1	1						2	2						
Cheboygan	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										4	2	2					
Chippewa	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										4	2	4					
Clare	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Clinton	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		1	1									1					
Delta	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										1		1					
Eaton	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]						1		1									
Emmet	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]										[illegible]	11	9					
Genesee	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]		1	1	1		1	1							2			2
Gladwin	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Grand Traverse	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Gratiot	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1																
Hillsdale	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		1													
Ingham	[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	2													[illegible]			5
Ionia	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]																	
Iosco	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	1			1													2

[illegible] male and 1 female as "Colored."
[illegible] male and [illegible] female "Half-breed." 1 female "Belt" and 2 males and 1 female White and Indian.
[illegible] male and 1 female as "Half-breed."
[illegible] male and 1 female "Half-breed."
[illegible] male and [illegible] female as "Half-breed."
[illegible] male "Half-breed."
[illegible] female "Half-breed."

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1877.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Ionia	211	124	85	2	208	122	84	2	[a] 3	2	1	....	..	..	....	..	..	....	..	..	..
Iosco	28	15	13	..	28	15	13	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Isabella	72	36	36	..	60	29	31	..	....	..	..	....	..	..	[b] 12	7	5	....	..	..	..
Isle Royal [c]	.....	.....	.....	..	.....	.....	.....	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Jackson	366	201	165	..	366	201	165	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Kalamazoo	317	161	156	..	312	157	155	..	5	4	1	....	..	..	....	..	..	....	..	..	..
Kalkaska	18	10	8	..	18	10	8	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Kent	633	326	303	4	625	324	299	2	2	..	2	4	2	2	....	..	..	2	..	..	2
Keweenaw	66	43	23	..	66	43	23	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Lake	20	8	12	..	20	8	12	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Lapeer	229	116	112	1	229	116	112	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Leelanaw	48	24	24	..	42	21	21	..	....	..	..	....	..	..	6	3	3	....	..	..	..
Lenawee	390	208	181	1	382	203	178	1	8	5	3	....	..	..	....	..	..	....	..	..	..
Livingston	182	105	77	..	181	105	76	..	1	..	1	....	..	..	....	..	..	....	..	..	..
Mackinac	16	7	8	1	10	4	6	..	....	..	..	1	..	1	[d] 4	3	1	1	..	..	1
Macomb	269	146	123	..	269	146	123	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manistee	101	56	45	..	101	56	45	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manitou	10	4	6	..	10	4	6	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Marquette	232	139	93	..	232	139	93	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Mason	34	16	17	1	34	16	17	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Mecosta	60	30	30	..	59	29	30	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Menominee	14	10	4	..	14	10	4	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Midland	58	32	26	..	58	32	26	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Missaukee	9	7	2	..	9	7	2	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Monroe	265	133	132	..	264	133	131	..	1	..	1	....	..	..	....	..	..	....	..	..	..
Montcalm	144	63	81	..	143	62	81	..	....	..	..	1	1	..	....	..	..	....	..	..	..
Muskegon	115	62	52	1	115	62	52	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Newaygo	64	27	37	..	.....	.....	.....	..	....	..	..	....	..	..	2	..	2	62	27	35	..
Oakland	324	161	162	1	319	159	159	1	3	2	1	2	..	2	....	..	..	....	..	..	..
Oceana	92	45	46	1	85	42	42	1	....	..	..	....	..	..	7	3	4	....	..	..	..
Ogemaw [e]	.....	.....	.....	..	.....	.....	.....	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Ontonagon	18	7	11	..	18	7	11	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Osceola	64	44	20	..	63	43	20	..	1	1	..	....	..	..	....	..	..	....	..	..	..

[a] 1 male "Colored."
[b] 1 female "Red."
[c] No returns of deaths to this Department.
[d] 2 males and 1 female White and Indian.
[e] County Clerk says no returns from Supervisors.

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1877.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Otsego	6	1	5	..	6	1	5	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Ottawa	274	162	111	1	269	159	109	1	1	1	..	....	..	..	1	..	1	3	2	1	..
Presque Isle	19	10	9	..	19	10	9	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Roscommon	4	..	4	..	4	..	4	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Saginaw	535	278	253	4	522	270	248	4	1	..	1	....	..	..	12	8	4	....	..	..	..
Sanilac	186	78	108	..	186	78	108	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Schoolcraft	5	3	2	..	5	3	2	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Shiawassee	158	84	73	1	158	84	73	1	....	..	..	....	..	..	....	..	..	....	..	..	..
St. Clair	324	164	157	3	286	146	138	2	1	1	..	....	..	..	....	..	..	37	17	19	1
St. Joseph	199	102	97	..	195	99	96	..	3	2	1	1	1	..	....	..	..	....	..	..	..
Tuscola	164	76	88	..	163	75	88	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Van Buren	218	102	116	..	213	99	114	..	[a] 4	2	2	1	1	..	....	..	..	....	..	..	..
Washtenaw	362	186	176	..	357	185	172	..	[b] 4	1	3	1	..	1	....	..	..	....	..	..	..
Wayne	2,170	1,197	964	9	2,150	1,183	958	9	17	12	5	2	2	..	....	..	..	1	..	1	..
Wexford	25	15	10	..	25	15	10	..	....	..	..	....	..	..	....	..	..	....	..	..	..

[a] 1 female "Colored."
[b] 3 females "Colored."

EXHIBIT 6.—*Nativity of Decedents in Michigan during each of the Years 1873–1877, according to the Returns.*

NATIVITY OF DECEDENTS.	Deaths, 1873.		Deaths, 1874.		Deaths, 1875.		Deaths, 1876.		Deaths, 1877.		Av. of 8 years, ending with 1876.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Nativities	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	11,792	100.00
Native	11,602	81.37	9,937	79.50	9,573	79.84	10,147	80.69	10,305	79.77	9,519	80.72
Foreign	2,340	16.41	2,128	17.02	2,106	17.57	2,078	16.52	2,251	17.42	1,911	16.21
Unknown	316	2.22	435	3.48	311	2.59	351	2.79	363	2.81	362	3.07

TABLE XIII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1877.*

STATE AND COUNTIES.	All Nativities, 1877.				Native.				Foreign.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State	12,919	6,827	6,040	52	10,305	5,363	4,896	46	2,251	1,272	979	a 363	192	165	6
Alcona	11	7	4	....	9	5	4	....	2	2	....	.....	.....	.....	....
Allegan	249	135	112	2	195	108	85	2	49	26	23	5	1	4	....
Alpena	35	22	13	....	26	15	11	....	8	6	2	1	1	.....	....
Antrim	52	33	19	....	47	30	17	....	5	3	2	.....	.....	.....	....
Baraga	20	11	9	....	12	6	6	....	4	2	2	4	3	1	....
Barry	216	112	103	1	191	100	90	1	25	12	13	.....	.....	.....	....
Bay	287	173	114	....	223	137	86	....	55	28	27	9	8	1	....
Benzie	32	19	13	....	29	18	11	....	3	1	2	.....	.....	.....	....
Berrien	258	133	125	....	213	108	105	....	28	17	11	17	8	9	....
Branch	281	128	153	....	254	115	139	....	20	12	8	7	1	6	....
Calhoun	330	178	151	1	286	153	132	1	32	19	13	12	6	6	....
Cass	166	91	75	....	148	79	69	....	11	8	3	7	4	3	....
Charlevoix	32	16	15	1	28	15	13	....	3	1	2	1	.....	.....	1
Cheboygan	28	19	9	....	25	17	8	....	3	2	1	.....	.....	.....	....
Chippewa	11	8	3	....	6	4	2	....	5	4	1	.....	.....	.....	....
Clare	18	11	7	....	9	5	4	....	2	1	1	7	5	2	....
Clinton	182	96	86	....	159	84	75	....	22	11	11	1	1	.....	....
Delta	50	22	28	....	36	15	21	....	12	6	6	2	1	1	....
Eaton	215	108	107	....	191	98	93	....	13	8	5	11	2	9	....
Emmet	32	16	16	....	32	16	16	....	.....	.....	....	.....	.....	.....	....
Genesee	268	146	120	2	231	125	105	1	33	19	14	4	2	1	1
Gladwin	8	7	1	....	4	3	1	....	2	2	....	2	2	.....	....
Gr. Traverse	67	33	34	....	61	30	31	....	6	3	3	.....	.....	.....	....
Gratiot	145	75	69	1	132	68	63	1	10	6	4	3	1	2	....
Hillsdale	287	143	144	....	265	129	136	....	16	9	7	6	5	1	....
Houghton	253	127	116	10	216	104	102	10	37	23	14	.....	.....	.....	....
Huron	87	47	40	....	62	33	29	....	25	14	11	.....	.....	.....	....
Ingham	181	87	91	3	155	72	80	3	20	12	8	6	3	3	....
Ionia	211	124	85	2	184	111	71	2	24	11	13	3	2	1	....
Iosco	28	15	13	....	19	8	11	....	9	7	2	.....	.....	.....	....
Isabella	72	36	36	....	63	33	30	....	8	2	6	1	1	.....	....

a 6 males and 3 females "America."

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1877.				Native.				Foreign.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Isle Royal.[a]	.....	.....	.....	....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	....
Jackson.....	366	201	165	....	315	170	145	....	44	27	17	7	4	3	....
Kalamazoo..	317	161	156	....	256	135	121	....	52	22	30	9	4	5	....
Kalkaska....	18	10	8	....	15	8	7	....	2	1	1	1	1	.....	....
Kent.....	633	326	303	4	493	250	239	4	115	64	51	[b] 25	12	13	....
Keweenaw..	66	43	23	....	52	33	19	....	13	9	4	1	1	.....	....
Lake.....	20	8	12	....	18	8	10	....	2	.....	2	.....	.....	.....	....
Lapeer.....	229	116	112	1	183	92	90	1	42	23	19	4	1	3	....
Leelanaw...	48	24	24	....	38	20	18	....	9	4	5	1	.....	1	....
Lenawee....	390	208	181	1	329	173	155	1	57	34	23	[c] 4	1	3	....
Livingston..	182	105	77	....	162	91	71	....	19	13	6	1	1	.....	....
Mackinac....	16	7	8	1	11	5	5	1	5	2	3	.....	.....	.....	....
Macomb.....	269	146	123	....	225	118	107	....	44	28	16	.....	.....	.....	....
Manistee....	101	56	45	....	75	40	35	....	26	16	10	.....	.....	.....	....
Manitou.....	10	4	6	....	.....	.....	.....	....	10	4	6	.....	.....	.....	....
Marquette..	232	139	93	....	177	98	79	....	49	36	13	6	5	1	....
Mason.....	34	16	17	1	30	13	16	1	3	2	1	1	1	.....	....
Mecosta.....	60	30	30	....	49	26	23	....	10	4	6	1	.....	1	....
Menominee..	14	10	4	....	12	8	4	....	2	2	....	.....	.....	.....	....
Midland.....	58	32	26	....	45	24	21	....	13	8	5	.....	.....	.....	....
Missaukee..	9	7	2	....	6	5	1	....	3	2	1	.....	.....	.....	....
Monroe.....	265	133	132	....	227	116	111	....	35	15	20	3	2	1	....
Montcalm...	144	63	81	....	134	57	77	....	9	6	3	1	.....	1	....
Muskegon...	115	62	52	1	91	48	42	1	19	11	8	[c] 5	3	2	....
Newaygo....	64	27	37	....	57	22	35	....	6	4	2	1	1	.....	....
Oakland.....	324	161	162	1	267	128	138	1	49	29	20	8	4	4	....
Oceana.....	92	45	46	1	77	34	42	1	12	10	2	3	1	2	....
Ogemaw....[d]	.....	.....	.....	....	.....	.....	.....	....	.....	.....	....	.....	.....	.....	....
Ontonagon..	18	7	11	....	12	2	10	....	6	5	1	.....	.....	.....	....
Oscoola.....	64	44	20	....	50	34	16	....	12	9	3	2	1	1	....
Otsego.....	6	1	5	....	3	1	2	....	3	.....	3	.....	.....	.....	....
Ottawa.....	274	162	111	1	204	119	84	1	67	41	26	3	2	1	....
Presque I...	19	10	9	....	11	7	4	....	7	2	5	1	1	.....	....

[a] No returns to this Department.
[b] 5 males "America."
[c] 1 female "America."
[d] County Clerk says no returns from supervisors.

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1877.				Native.				Foreign.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Roscommon	4	.....	4	....	4	.....	4	....	.....	.....	....	.....	.....	.....	....
Saginaw	535	278	253	4	411	215	192	4	114	57	57	10	6	4	....
Sanilac	186	78	108	....	118	52	66	....	68	26	42	.....	.....	.....	....
Schoolcraft	5	3	2	....	5	3	2	....	.....	.....	....	.....	.....	.....	....
Shiawassee	158	84	73	1	139	74	64	1	17	10	7	2	.....	2	....
St. Clair	324	154	157	3	223	108	113	2	89	49	40	[a] 12	7	4	1
St. Joseph	199	102	97	....	175	85	90	....	22	15	7	2	2	.....	....
Tuscola	164	76	88	....	130	56	74	....	34	20	14	.....	.....	.....	....
Van Buren	218	102	116	....	199	90	109	....	17	10	7	2	2	.....	....
Washtenaw	362	186	176	....	266	139	127	....	67	36	31	29	11	18	....
Wayne	2,170	1,197	964	9	1,478	799	673	6	584	338	246	108	60	45	3
Wexford	25	15	10	....	22	13	9	....	2	1	1	1	1	.....	....

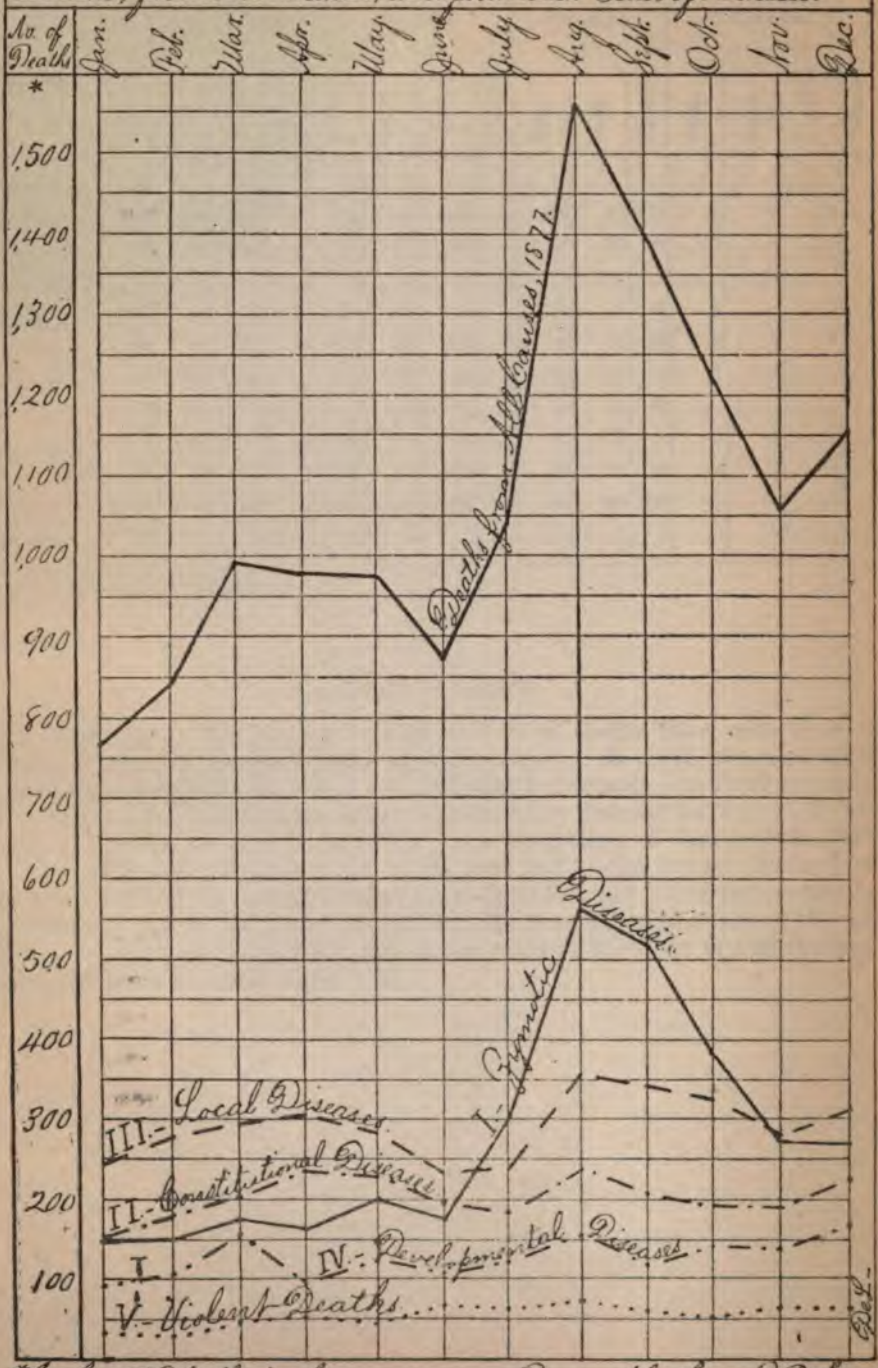
[a] 1 male and 1 female "America."

CAUSES OF DEATH.

In Table XIV. the number and proportion of deaths from each class of causes, for each of the years 1873–1877, are shown. In 1877, the number of deaths from causes included in Class I.—Zymotic diseases—was 25.69 per cent. of the deaths from all causes; this is a little larger than for 1875 or 1876, but smaller than for 1872, 1873, or 1874. The proportion of deaths from Class II.—Constitutional diseases—was 19.00 per cent.,—the largest for any of the years 1872–1877; the proportion from Class III. was 27.14 per cent.—the smallest for any of the years 1872–1877; the proportion from Class IV. was 11.82 per cent., the largest for any of the years 1872–1877; and the proportion from Class V. was 5.06 per cent.

Diagram No. 4.

Deaths Returned as having occurred in Michigan in 1877, by months, from All Causes, and from each Class of Causes.



*Scale = 239 to the inch.

Designed by Henry B. Baker.

TABLE XIV.—*Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, for each of the Years 1873 to 1877, inclusive; also the Average Number and Per Cent. for the eight Years 1869–1876.*

CAUSES OF DEATH, CLASSES.	1873.		1874.		1875.		1876.		1877.		AVERAGE FOR EIGHT YEARS, ENDING WITH 1876.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Causes	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	11,792	100.00
I.—Zymotic	4,027	28.24	3,260	26.08	2,798	23.34	3,094	24.60	3,319	25.69	3,270	27.73
II.—Constitutional	2,207	15.48	2,117	16.93	2,190	18.27	2,348	18.67	2,454	19.00	2,083	17.66
III.—Local Diseases	4,565	32.02	3,697	29.58	3,565	29.73	3,647	29.00	3,506	27.14	3,361	28.50
IV.—Developmental	1,162	8.15	1,256	10.05	1,353	11.28	1,458	11.59	1,527	11.82	1,119	9.49
V.—Violent Deaths	685	4.80	656	5.25	646	5.39	747	5.94	654	5.06	597	5.06
Unknown and Unclassified	1,612	11.31	1,514	12.11	1,438	11.99	1,282	10.19	1,459	11.29	1,362	11.55

Exhibit 7 shows, by months, the number of deaths from each class of causes in 1877, and enables the reader to study the influence of season upon the number of deaths from the different classes of causes.

EXHIBIT 7.—*By Months, the Number of Deaths in Michigan from All Causes and from each Class of Causes for the year 1877.*

CAUSES OF DEATH,—CLASSES.	YEAR, 1877.	MONTHS OF DEATH, 1877.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes	12,919	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155	56
I.—Zymotic	3,319	149	150	175	162	200	177	300	563	515	382	272	269	5
II.—Constitutional	2,454	154	181	202	238	231	197	186	238	206	195	192	225	9
III.—Local Diseases	3,506	244	277	297	303	282	235	240	359	345	324	279	307	14
IV.—Developmental	1,527	90	104	155	98	125	107	124	155	117	140	137	167	8
V.—Violent Deaths	654	32	30	46	52	45	67	66	73	62	51	63	62	5
Unknown and Unclassified	1,459	97	101	115	125	93	92	124	171	155	129	117	125	15

DEATHS, 1877, GROUPED BY PART OF BODY DISEASED.

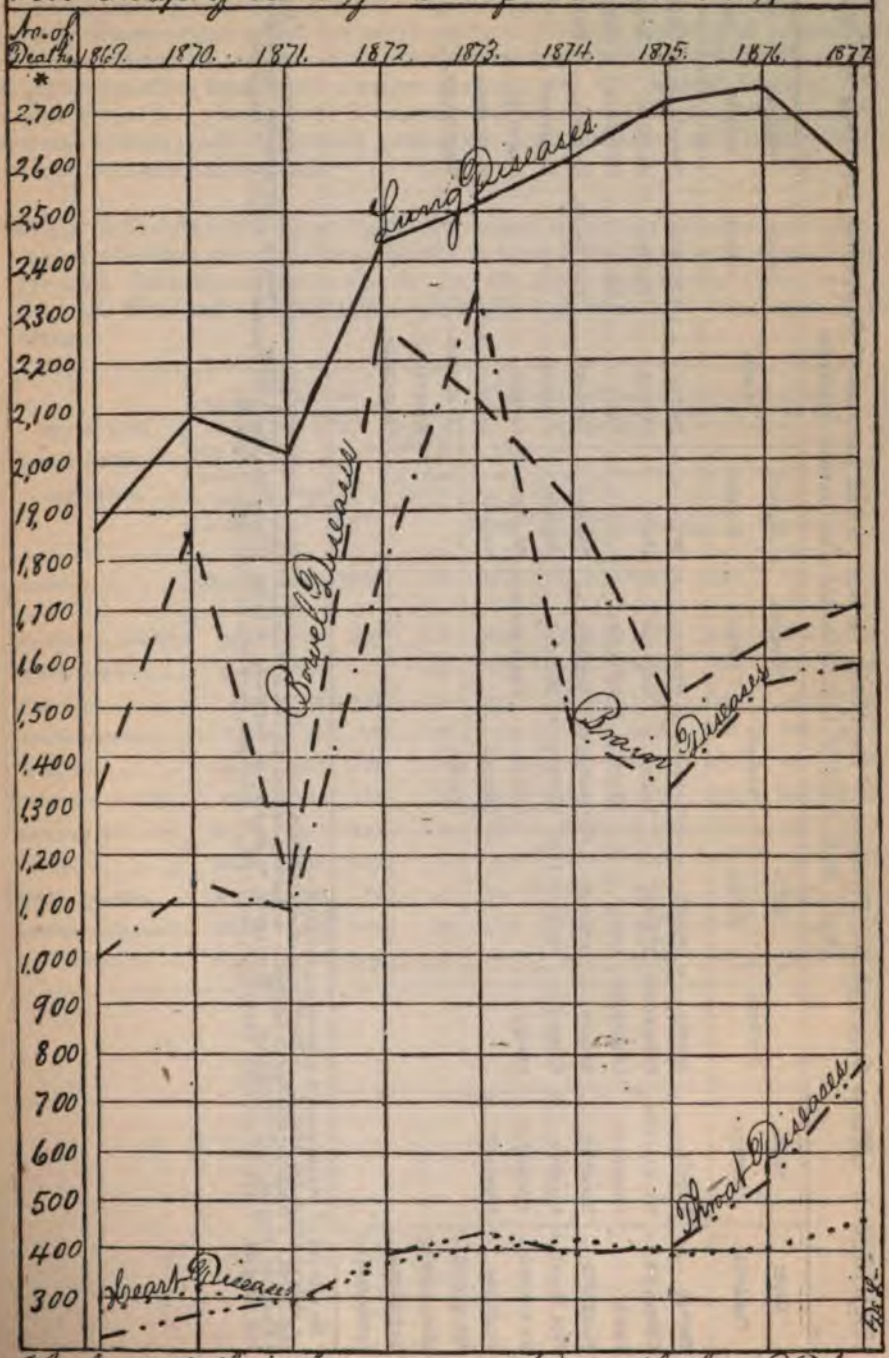
Exhibit 8 groups together certain causes of death in each of the years 1872–1877. In 1872–1876, there were five groups, and in 1877 there were six groups, the liver diseases being added in 1877. Lung diseases head the list in each year; and bowel diseases are second, followed by brain diseases, except for the year 1873, when these last two diseases exchange positions in the order. In 1877, the six groups composed 56.08 per cent. of the deaths from all causes; and excluding the sixth group, added for 1877, the five groups caused 55.10 per cent. of all the deaths in 1877,—more than any other year shown in the exhibit.

EXHIBIT 8.—*Order of Succession of Five Groups of Causes of Death in Michigan for each of the Years 1872 to 1876, inclusive, and of Six Groups for the Year 1877.*

Order.	1872.			1873.			1874.			1875.			1876.			1877.		
	Diseases of	Per Ct. to All Causes.	Number.	Diseases of	Per Ct. to All Causes.	Number.	Diseases of	Per Ct. to All Causes.	Number.	Diseases of	Per Ct. to All Causes.	Number.	Diseases of	Per Ct. to All Causes.	Number.	Diseases of	Per Ct. to All Causes.	Number.
....	All Caus.	100.00	13,371	All Caus.	100.00	14,258	All Caus.	100.00	12,500	All Caus.	100.00	11,990	All Caus.	100.00	12,576	All Caus.	100.00	12,919
1	Lungs	18.26	2,441	Lungs	17.61	2,511	Lungs	20.84	2,605	Lungs	22.69	2,720	Lungs	21.89	2,753	Lungs	20.00	2,584
2	Bowels	17.04	2,278	Brain	16.38	2,336	Bowels	15.26	1,907	Bowels	12.69	1,521	Bowels	12.98	1,633	Bowels	13.17	1,702
3	Brain	13.23	1,779	Bowels	14.89	2,121	Brain	11.60	1,450	Brain	11.16	1,338	Brain	12.31	1,549	Brain	12.32	1,592
4	Throat	2.92	391	Throat	3.04	434	Heart	3.36	4.20	Throat	3.39	406	Throat	4.30	541	Throat	6.05	781
5	Heart	2.79	373	Heart	2.82	402	Throat	3.16	395	Heart	3.26	391	Heart	3.22	405	Heart	3.56	460
																Liver	.98	126
1–5	5 Groups	54.24	7,262	5 Groups	51.74	7,804	5 Groups	54.22	6,777	5 Groups	53.19	6,376	5 Groups	54.72	6,881	6 Groups	56.08	7,245

Diagram No. 5.

Deaths Returned as having occurred in Michigan from each of Five Groups of Causes, for each of the Years 1869-1877.



*Scale = 388 to the inch.

Designed by Henry B. Baker.

EXHIBIT J.—*Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.*

Upper Peninsular.	North-western.	Northern.	North-eastern.	Western.	Northern Central.	Bay and Eastern.	Central.	South-western.	Southern Central.	South-eastern.
Baraga	Benzie	Antrim[h]	Alcona	Kent	Clare[n]	Bay	Barry	Allegan	Branch	Macomb.
Chippewa[a]	Gr. Traverse.	Charlevoix.	Alpena	Lake	Gladwin[o]	Huron	Clinton	Berrien[k]	Calhoun	Monroe.
Delta	Leelanaw	Cheboygan[i]	Iosco	Mason	Isabella[p]	Lapeer	Eaton	Cass	Hillsdale	Oakland.
Houghton	Manistee	Emmet[j]	Ogemaw[b]	Muskegon[l]	Mecosta	Saginaw	Genesee	Van Buren.	Jackson	Wayne.
Isle Royal[b]	Manitou[f]	Kalkaska	Presque Isle	Newaygo[m]	Midland	Sanilac	Gratiot		Kalamazoo	
Keweenaw	Missaukee	Otsego[k]		Oceana	Roscommon[q]	St. Clair[r]	Ingham		Lenawee	
Mackinac[c]	Wexford[g]			Osceola		Tuscola	Ionia		St. Joseph	
Marquette				Ottawa			Livingston		Washtenaw	
Menominee[d]							Montcalm[s]			
Ontonagon							Shiawassee			
Schoolcraft[e]										

No returns of deaths from the following townships:
[a] Detour and Sugar Island. [b] No returns of deaths from the county. [c] Holmes. [d] Breen, Breitung, Cedarville, Spaulding, and Stephenson. [e] Munising and Onota. [f] Chandler and South Manitou. [g] Harring, and 1st, 2d, and 3d wards of Cadillac. [h] Torch Lake. [i] Benton. [j] Friendship and Maple River. [k] Charlton, Elmira, and Livingston. [l] Montague. [m] Denver and Norwich. [n] Frost, Hayes, Sheridan, and Winterfield. [o] Grout. [p] Deerfield. [q] Denton and Higgins. [r] Burchville, Clay, East China, and Lynn. [s] Belvidere, Reynolds, and Richland. [t] Lincoln.

Table XV. shows by geographical divisions, the number and per cent. of deaths from all causes, and the per cent. of deaths from each class of causes to deaths from all causes in 1877. The largest proportion of deaths from zymotic diseases appears for the north-western division; the largest proportion from constitutional diseases is shown for the northern-central division; the largest proportion from local diseases is shown for the central division; the largest proportion shown from developmental diseases is shown for the north-western division; and the largest proportion from violent deaths is shown for the northern-central division.

TABLE XV.—*Exhibiting for the State and each of Eleven Geographical Divisions of the State, the Number of Deaths Returned, and the Per Cent. of Deaths for each Division to Total Deaths for the State during the Year 1877; also, the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.	Population in 1874 Represented by Deaths in 1877.	Deaths Reported, 1877.		Per Cent. of Deaths in 1877 to Population in 1874.	Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, by Geographical Divisions.					
		Number.	Per Ct. of Total.		Class I. Zymotic Diseases.	Class II. Constitutional Diseases.	Cl'ss III. Local Diseases.	Cl'ss IV. Developmental Diseases.	Class V. Violent Deaths.	Unk. and Unclassified.
State	1,321,160	12,919	100.00	.98	25.69	19.00	27.14	11.82	5.06	11.29
Upper-Peninsular.	59,398	685	5.30	1.15	26.42	12.26	16.79	14.16	8.03	22 34
North-western	25,436	292	2.26	1.15	30.14	16.10	20.21	16.10	6.16	11.30
Northern	9,549	168	1.30	1.76	23.21	13.10	17.26	12.50	5.95	27.98
North-eastern	12,211	93	.72	.76	18.28	21.51	20.43	9.68	9.68	20.43
Western	140,197	1,296	10.03	.92	27.16	19.83	25.85	12.27	6.17	8.72
Northern-Central	21,492	220	1.70	1.02	20.00	21.82	24.09	11.82	10.91	11.36
Bay and Eastern	181,527	1,812	14.03	1.00	24.61	17.99	24.56	14.07	5.46	13.30
Central	240,048	1,902	14.72	.79	24.29	19.98	31.60	10.73	4.26	9.15
South-western	115,969	891	6.90	.77	24.02	19.64	29.52	10.10	5.50	11.22
Southern-Central	273,932	2,532	19.60	.92	27.69	20.54	30.49	10.43	4.38	6.48
South-eastern	241,401	3,028	23.44	1.25	25.59	18.99	26.92	11.72	3.90	12.88

TABLE XVI.—CAUSES OF DEATH.—Nosological Arrangement.

Exhibiting the Number of Deaths in Michigan and in each County of the State during the Year 1877, from Specified Causes, Statistically Classified.—(Still-Births Included.)

CAUSES OF DEATH,—1877.	State.	Counties,—1877.																							
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
All Causes	12,919	11	249	35	52	20	216	287	32	258	281	330	166	32	28	11	18	182	50	215	32	268	8	67	145
Specified Causes	11,527	10	224	29	48	12	198	250	28	224	263	307	143	25	17	5	15	160	42	205	9	247	7	65	137
Causes not Specified	1,392	1	25	6	4	8	18	37	4	34	18	23	23	7	11	6	3	22	8	10	23	21	1	2	8
Classes.																									
I.—Zymotic Diseases	3,319	4	56	6	20	2	48	79	3	66	73	112	44	8	8	....	3	32	19	50	1	73	2	35	52
II.—Constitutional Diseases	2,454	1	49	8	4	1	41	42	10	46	61	71	31	10	2	1	....	35	7	56	1	39	2	11	32
III.—Local Diseases	3,506	3	70	7	12	4	74	49	8	66	94	81	55	3	2	3	4	56	12	68	5	102	1	10	35
IV.—Developmental Diseases	1,527	1	36	2	9	5	26	52	5	24	26	29	9	4	3	1	3	20	3	17	1	25	....	7	12
V.—Violent Deaths	654	1	13	6	3	....	8	26	2	21	9	13	4	....	2	....	5	14	1	14	1	8	2	2	6
Unclassified	67	....	....	....	....	....	1	2	....	1	....	1	....	....	....	....	....	3	....	....	....	....	....	....	....
Orders.																									
I.—1. Miasmatic Diseases	3,285	3	56	6	19	2	48	78	3	64	70	110	44	8	8	....	3	32	19	49	1	73	2	35	52
2. Enthetic Diseases	9	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....
3. Dietic Diseases	13	1	....	....	....	....	....	....	....	2	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Parasitic Diseases	12	....	....	....	1	....	....	....	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
II.—1. Diathetic Diseases	698	....	15	3	3	....	11	18	4	8	17	15	11	6	....	1	....	9	2	22	....	15	....	5	9
2. Tubercular Diseases	1,756	1	34	5	1	1	30	24	6	38	44	56	20	4	2	....	....	26	5	34	1	24	2	6	23

III.—1. Diseases of Nervous System	1,470	2	18	4	4	....	33	27	1	28	39	30	23	2	....	1	2	24	6	30	2	33	....	2	21
2. Diseases of Organs of Circulation	451	....	5	1	....	1	7	5	1	12	9	12	10	....	....	1	....	5	2	6	2	13	....	....	2
3. Diseases of Respiratory Organs	786	....	30	1	3	2	18	8	4	20	19	16	10	....	1	....	1	14	4	17	....	27	1	3	1
4. Diseases of Digestive Organs	549	1	13	....	5	1	13	8	2	4	20	15	8	....	....	....	1	9	....	12	....	13	....	2	7
5. Diseases of Urinary Organs	165	....	4	1	....	....	2	1	....	1	5	6	2	1	....	....	....	3	....	3	1	7	....	2	3
6. Diseases of Generative Organs	13	....	....	....	....	....	1	....	....	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....
7. Diseases of Organs of Locomotion	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Diseases of Integumentary System	67	....	....	....	....	....	....	....	....	1	....	1	2	....	1	1	....	1	....	....	....	3	....	1	1
IV.—1. Developmental Diseases of Children	865	1	18	2	8	4	15	37	3	11	14	12	3	1	2	....	1	15	1	7	....	14	....	3	9
2. Developmental Diseases of Women	173	....	6	....	1	1	3	7	2	1	3	4	2	2	1	1	1	3	2	5	1	1	....	....	1
3.—Developmental Dis. of Old People	489	....	12	....	....	....	8	8	....	12	9	13	4	1	....	....	1	2	....	5	....	10	....	4	2
4.—Diseases of Nutrition	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—1. Accident or Negligence	352	....	9	6	3	....	2	15	1	15	3	6	2	....	2	....	2	9	1	5	1	6	....	2	5
2. Battle	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	13	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
4. Suicide	67	1	....	....	....	....	4	2	....	1	2	1	....	....	....	....	1	1	....	4	....	1	....	....	....
5. Execution	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths	222	....	3	....	....	....	2	9	1	5	4	5	2	....	....	....	2	4	....	5	....	1	2	....	....
CLASS I.—ZYMOTIC	3,320	4	56	6	20	2	48	79	3	66	73	112	44	8	8	....	3	32	19	50	1	73	2	35	52
I.—ORDER 1. Miasmatic	3,285	3	56	6	19	2	48	78	3	64	70	110	44	8	8	....	3	32	19	49	1	73	2	35	52
1. Small-pox	102	1	....	....	....	....	....	12	....	....	1	....	....	....	....	....	....	....	....	1	....	1	....	....	....
2. Measles	62	....	....	....	....	....	....	1	....	....	1	....	1	....	....	....	....	....	4	....	....	....	....	....	....
3. Scarlatina	404	....	19	....	....	1	....	2	....	12	8	5	6	1	....	....	....	5	11	2	....	4	....	....	....
4. Diphtheria	593	....	1	....	10	....	19	12	....	6	21	36	4	1	8	....	....	2	1	12	....	29	....	25	21
5. Quinsy	5	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....
6. Croup	164	....	....	3	1	....	3	5	....	4	1	3	4	....	....	....	....	3	....	3	....	2	....	1	1

TALE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	STATE.	COUNTIES, 1877.																							
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
7. Whooping-cough	131	----	2	----	----	----	----	3	2	2	----	5	1	----	----	----	----	1	----	----	----	----	----	----	2
8. Typhoid Fever	450	----	12	----	3	----	6	10	----	13	9	16	10	----	----	----	2	11	----	7	----	8	2	5	9
8. Typhus Fever	32	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----	----	----	----	----
8. Typho-malarial fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9. Erysipelas	74	1	1	----	----	----	----	3	----	1	2	1	5	----	----	----	----	1	----	----	----	2	----	----	1
10. Puerperal Fever	23	----	----	----	----	----	----	----	----	1	----	1	2	2	----	----	----	----	1	----	----	----	----	----	1
11. Carbuncle	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Influenza	6	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Dysentery	221	----	2	----	2	----	4	2	----	4	6	3	2	----	----	----	1	1	2	5	----	11	----	----	6
14. Diarrhea	294	----	----	2	----	----	2	8	----	----	----	2	----	2	----	----	----	1	----	----	----	4	----	----	----
15. Cholera Infantum	370	----	1	----	1	1	12	12	----	11	13	24	6	1	----	----	----	5	----	7	----	8	----	3	5
16. Cholera Morbus	26	----	----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16. Cholera	15	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----
17. Ague	137	----	9	----	1	----	----	5	----	6	4	7	2	----	----	----	----	1	----	4	----	4	----	----	3
18. Remittent Fever	103	1	7	1	----	----	1	2	----	2	1	2	1	1	----	----	----	----	----	5	----	----	----	1	2
19. Rheumatism	72	----	2	----	----	----	1	----	----	2	2	3	----	----	----	----	----	----	----	1	----	----	----	----	1
I.—ORDER 2. Enthetic	9	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----
1. Syphilis	8	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
2. Stricture of Urethra	1	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Stricture	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	13	1	----	----	----	----	----	----	----	2	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	2	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3 Delirium Tremens (Alcoholism)	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Intemperance	9	1	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 4. Parasitic	12	----	----	----	1	----	----	----	----	----	2	1	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Thrush	7	----	----	----	----	----	----	----	----	----	2	1	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Worms	5	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	2,454	1	49	8	4	1	41	42	10	46	61	71	31	10	2	1	----	35	7	56	1	39	2	11	32
II.—ORDER 1. Diathetic	698	----	15	3	3	----	11	18	4	8	17	15	11	6	----	1	----	9	2	22	----	15	----	5	9
1. Gout	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Anæmia	159	----	1	----	----	----	2	11	----	2	----	3	4	----	----	----	----	3	1	3	----	4	----	1	1
2. Dropsy	225	----	5	----	2	----	2	5	2	3	6	5	2	4	----	1	----	3	----	5	----	6	----	3	2
3. Cancer	265	----	6	1	1	----	5	1	2	3	11	6	4	1	----	----	----	3	1	12	----	3	----	----	5
4. Noma (Canker)	30	----	3	2	----	----	1	1	----	----	----	1	----	1	----	----	----	----	----	----	----	2	----	1	1
5. Mortification	18	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	2	----	----	----	----	----
II.—ORDER 2. Tubercular	1,756	1	34	5	1	1	30	24	6	38	44	56	20	4	2	----	----	26	5	34	1	24	2	6	23
1. Scrofula	34	----	1	----	----	----	1	----	1	----	2	2	----	----	----	----	----	2	----	----	----	1	2	----	1
2. Consumption of Bowels	23	----	1	----	----	1	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Phthisis (Con. of Lungs)	1,681	1	32	5	1	----	29	24	5	38	40	53	20	4	2	----	----	23	5	34	1	23	----	6	21

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH.—1877.	STATE.	COUNTIES.—1877.																							
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	G. Traverse.	Gratiot.
4. Hydrocephalus	7	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	1
5. Marasmus	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS III.—LOCAL DISEASES	3,506	3	70	7	12	4	74	49	8	66	94	81	55	3	2	3	4	56	12	68	5	102	1	10	35
III.—ORDER 1. Nervous System	1,470	2	18	4	4	....	33	27	1	28	39	30	23	2	....	1	2	24	6	30	2	38	....	2	21
1. Cephalitis	292	1	3	2	....	....	5	8	....	8	11	2	4	1	....	1	1	2	4	4	....	10	....	....	3
2. Apoplexy	86	....	1	1	....	....	....	3	....	3	2	4	....	....	....	....	....	....	....	3	....	4	....	....	....
3. Paralysis	249	....	4	....	....	....	7	3	....	4	7	10	9	....	....	....	....	9	....	4	....	5	....	....	2
4. Insanity	21	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	2	....	1	....	....	1
5. Chorea	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Epilepsy	35	....	2	....	....	....	1	1	....	2	2	....	1	....	....	....	....	....	....	....	....	3	....	....	....
7. Tetanus	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
8. Convulsions	298	1	3	....	4	....	7	4	....	5	3	1	2	1	....	....	....	4	1	6	....	6	....	1	3
9. Brain Diseases	203	....	4	....	....	....	4	3	1	1	8	4	1	....	....	....	....	3	....	3	....	6	....	....	2
9. Dropsy of Brain	53	....	....	1	....	....	1	1	....	2	....	....	....	....	....	....	....	2	....	1	....	....	....	....	....
10. Spinal Fever	73	....	....	....	....	....	3	1	....	2	1	2	5	....	....	....	....	2	....	....	1	2	....	....	6
11. Spotted Fever	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12. Meningitis	11	....	....	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	1	....	....	....	....	....	....
13. Meningitis, Cerebro-Spinal	9	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	1	1	....	....	....	1
14. Meningitis, Spinal	39	....	....	....	....	....	2	....	....	....	1	....	....	....	....	....	....	1	....	5	....	....	....	....	2
15. Neuralgia	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

16. Spine Disease	81	----	1	----	----	----	3	3	----	----	1	6	----	----	----	----	1	1	----	----	----	1	----	1	1
17. Spine, Inflam. of	2	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18. Frightened	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Circulation	451	----	5	1	----	1	7	5	1	12	9	12	10	----	----	1	----	5	2	6	2	13	----	----	2
1. Pericarditis	56	----	1	----	----	----	2	2	----	1	2	4	2	----	----	----	----	1	----	2	----	1	----	----	----
2. Aneurism	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Heart Disease	395	----	4	1	----	1	5	3	1	11	7	8	8	----	----	1	----	4	2	4	2	12	----	----	2
4. Emboli	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 3. Respiratory Organs	786	----	30	1	3	2	18	8	4	20	19	16	10	----	1	----	1	14	4	17	----	27	1	3	1
1. Epistaxis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Laryngitis	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bronchitis	42	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	3	----	----	----
4. Pleurisy	24	----	----	----	----	----	----	1	----	1	1	2	----	----	----	----	----	----	----	1	----	1	----	----	----
5. Pneumonia	538	----	24	----	2	1	17	7	3	12	15	8	9	----	1	----	----	12	4	12	----	20	1	2	1
6. Asthma	25	----	----	----	----	----	----	----	----	----	1	1	----	----	----	----	----	----	----	1	----	----	----	----	----
7. Lung Disease	149	----	5	1	1	----	1	----	1	7	2	5	1	----	----	----	1	2	----	3	----	3	----	1	----
8. Catarrh	4	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 4. Digestive Organs	549	1	13	----	5	1	13	8	2	4	20	15	8	----	----	----	1	9	----	12	----	13	----	2	7
1. Gastritis	34	----	----	----	1	----	1	----	----	----	2	1	1	----	----	----	----	1	----	2	----	----	----	----	1
2. Enteritis	231	1	4	----	1	----	7	5	1	----	10	3	3	----	----	----	----	1	----	6	----	4	----	----	2
3. Peritonitis	8	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Ascites	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
5. Ulceration of Intestines	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
6. Hernia	19	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	1	----	----	----	----	----	----	1
7. Obstruction of Bowels	3	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
8. Intussusception	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	STATE.	COUNTIES,—1877.																							
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
9. Stricture of Intestines	1											1													
10. Fistula																									
11. Stomach Diseases	77		5				1	1		2		4	1					1				1			2
12. Pancreas Disease																									
13. Hepatitis	6																	1							
14. Jaundice	22		1								3		1					1		1					1
15. Liver Diseases	98		2		2		2	1	1	1	3	4	1				1	3		1		5		1	
16. Spleen Diseases	2						1																		
17. Bowel Diseases, etc.	39		1				1	1		1	1	2	1							1		2			
18. Mouth Disease																									
III.—ORDER 5. Urinary Organs	165		4	1			2	1		1	5	6	2	1				3		3	1	7		2	3
1. Nephritis	10						1																	1	
2. Ischura																									
3. Bright's Disease of Kidneys	35		1	1							1	2								2		1			
4. Diabetes	39						1	1			1	4	1	1							1	4			
5. Calculus (Gravel, etc.)	17																	2				1			1
6. Cystitis	13										1														1
7. Kidney Diseases	51		3							1	2		1					1		1		1		1	1
III.—ORDER 6. Generative Organs	13						1				2	1										1			

1. Ovarian Dropsy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Ovarian Tumor	5	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----
2. Diseases of Uterus	8	----	----	----	----	----	1	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 7. Organs of Locomotion	5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 8. Integumentary System	67	----	----	----	----	----	----	----	----	1	----	1	2	----	1	1	----	1	----	----	----	3	----	1	1
1. Phlegmon	31	----	----	----	----	----	----	----	----	1	----	1	2	----	1	1	----	----	----	----	----	1	----	1	1
2. Ulcer	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Skin Diseases	34	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	2	----	----	----
CLASS IV.—DEVELOPMENTAL DISEASES	1,507	1	36	2	9	5	26	52	5	24	26	29	9	4	3	1	3	20	3	17	1	25	----	7	12
IV.—ORDER 1. Dev. Diseases of Children	865	1	18	2	8	4	15	37	3	11	14	12	3	1	2	----	1	15	1	7	----	14	----	3	9
1. Still-born	724	1	15	1	3	4	14	34	3	10	10	12	3	1	2	----	----	9	----	6	----	11	----	2	8
2. Infantile	24	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	5	----	1	----	1	----	----	----
2. Premature Birth	41	----	2	----	5	----	----	----	----	1	2	----	----	----	----	----	1	----	1	----	----	1	----	----	1
3. Cyanosis	5	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	5	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	66	----	----	1	----	----	----	2	----	----	1	----	----	----	----	----	----	1	----	----	----	1	----	1	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—ORDER 2. Dev. Diseases of Women	173	----	6	----	1	1	3	7	2	1	3	4	2	2	1	1	1	3	2	5	1	1	----	----	1
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	3	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----
2. Childbirth	160	----	6	----	1	1	3	7	2	1	2	4	1	2	----	1	1	3	2	5	1	1	----	----	1
2. Abortion	6	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----	----	----	----	----	----
2. Uterine Hemorrhage	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	STATE.	COUNTIES,—1877.																							
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
IV.—ORDER 3. Dev. Diseases of Old People	489	....	12	....	....	....	8	8	....	12	9	13	4	1	....	....	1	2	....	5	....	10	....	4	2
1. Old Age	489	....	12	....	....	....	8	8	....	12	9	13	4	1	....	....	1	2	....	5	....	10	....	4	2
IV.—ORDER 4. Diseases of Nutrition	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Atrophy and Debility	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS V.—VIOLENT DEATHS	651	1	13	6	3	....	8	26	2	21	9	13	4	....	2	....	5	14	1	14	1	8	2	2	6
V.—ORDER 1. Accident or Negligence	352	....	9	6	3	....	2	15	1	15	3	6	2	....	2	....	2	9	1	5	1	6	....	2	5
1. Fractures and Contusions	64	....	1	....	....	....	....	....	....	4	1	2	....	....	....	....	1	4	1	2	....	1	....	....	1
2. Wounds	10	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Burns and Scalds	60	....	3	....	2	....	1	6	....	2	2	....	1	....	....	....	....	....	....	1	....	1	....	....	1
4. Poison	33	....	....	2	....	....	....	1	....	2	....	1	....	....	....	....	....	1	....	....	1	....	....	....	1
5. Drowning	103	....	2	2	....	....	1	6	1	5	....	2	....	....	2	....	....	2	....	1	....	....	....	....	....
6. Suffocation	14	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1
7. Otherwise	68	....	2	2	1	....	....	2	....	1	....	1	1	....	....	....	1	1	....	1	....	4	....	1	1
V.—ORDER 2. In Battle	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	13	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
1. Murder	9	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	67	1	....	....	....	....	4	2	....	1	2	1	....	....	....	....	1	1	....	4	....	1	....	....	....
1. Wounds	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....

2. Poison	16			----	----	----	--	1	----	----	--	--			----		--	----	----	2	----	-	-	--	----
3. Drowning	5			----	----	----	--	----	----	----	2	--			----		--	----	----	--	----	-	-	--	----
4. Hanging	5			----	----	-	1	----	----	----	--	--			----		--	1	----	--	----	-	-	--	----
5. Otherwise and not Specified	36			----	----	-	3	1	----	1	--	1			----		--	----	----	2	----	1	-	--	----
V.—ORDER 5. Execution	------			----	----	-	--	----	----	----	--	--			----		--	----	----	--	----	-	-	----	----
1. Hanging	------			----	----	-	--	----	----	----	--	--	----	----	----		--	----	----	--	----	-	-	----	----
V.—ORDER 6. Violent Deaths not Included above	222	----	3		----	-	2	9	1	5	4	5	2	----	----		2	4	----	5	----	1	2	----	----
UNCLASSIFIED	67	----	----	----	----	----	1	2	----	1	----	1	----	----	----	----	----	3	----	----	----	----	----	----	----
1. Hemorrhage	20	----	----	----	----	----	1	1	----	1	----	----	----	----	----	----	----	1	----	--	----	----	----	----	----
2. Inflammation	39	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----	2	----	----	----	----	----	----	----
3. Otherwise	8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Causes not Specified	1,392	1	25	6	4	8	18	37	4	34	18	23	23	7	11	6	3	22	8	10	23	21	1	2	8

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
All Causes	287	253	87	181	211	28	72	....	366	317	18	633	66	20	229	48	390	182	16	269	101	10	232	34	60	14
Specified Causes	266	196	73	167	194	25	63	....	342	301	16	592	64	20	211	40	373	173	15	250	89	10	171	30	54	9
Causes not Specified	21	57	14	14	17	3	9	....	24	16	2	41	2	....	18	8	17	9	1	19	12	....	61	4	6	5
CLASSES.																										
I.—Zymotic Diseases	89	73	16	40	47	6	11	....	119	66	2	219	19	2	70	6	111	40	4	64	35	....	56	9	14	6
II.—Constitutional Diseases	57	36	15	42	44	7	19	....	62	70	3	131	7	5	36	6	74	39	6	63	11	5	24	5	18	....
III.—Local Diseases	81	36	20	45	62	7	23	....	101	116	6	142	22	8	67	12	126	70	....	75	18	1	27	12	6	....
IV.—Developmental Diseases	21	32	15	29	32	3	8	....	40	36	2	68	11	2	26	14	46	16	5	35	16	1	34	2	10	1
V.—Violent Deaths	17	18	5	9	9	1	2	....	20	12	3	30	5	3	12	2	16	8	....	12	8	3	28	1	6	2
Unclassified	1	1	2	2	....	1	....	....	....	1	....	2	....	....	....	....	....	....	....	1	1	....	2	1	....	....
ORDERS.																										
I.—1. Miasmatic Diseases	88	72	16	40	46	6	11	....	118	65	2	218	17	2	69	6	111	39	4	64	35	....	56	9	13	6
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	....	1	....	....	1	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Parasitic Diseases	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....
II.—1. Diathetic Diseases	11	14	4	11	8	2	2	....	13	14	2	29	2	....	13	2	29	9	....	19	3	....	4	....	5	....
2. Tubercular Diseases	46	22	11	31	36	5	17	....	49	56	1	102	5	5	23	4	45	30	6	44	8	5	20	5	13	....

III.—1. Diseases of Nervous System	29	17	9	14	21	2	14	....	36	59	4	64	6	3	22	5	43	23	....	25	10	1	13	4	3	....
2. Diseases of Organs of Circulation	12	6	3	11	7	4	3	....	10	13	....	21	....	....	9	2	27	13	....	11	3	....	3	....	....	....
3. Diseases of Respiratory Organs	14	6	6	11	16	1	4	....	29	19	1	20	7	4	22	5	29	14	....	15	1	....	8	4	1	....
4. Diseases of Digestive Organs	20	6	....	5	11	....	1	....	16	13	....	27	8	1	11	....	17	17	....	20	3	....	3	3	1	....
5. Diseases of Urinary Organs	5	....	2	2	5	....	1	....	9	11	1	7	1	....	2	....	7	2	....	3	....	....	....	1	....	....
6. Diseases of Generative Organs	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Diseases of Organs of Locomotion	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Dis. of Integumentary System	1	1	....	2	1	....	....	....	1	1	....	3	....	....	1	....	3	1	....	1	1	....	....	....	1	....
IV.—1. Developmental Dis. of Children	5	28	10	11	15	3	6	....	25	17	1	45	11	2	13	10	12	8	1	22	13	....	31	2	7	....
2. Developmental Dis. of Women	2	3	....	8	3	....	1	....	2	1	1	11	....	....	6	2	4	2	....	1	2	1	2	....	1	....
3. Developmental Dis. of Old People	14	1	5	10	14	....	1	....	13	18	....	12	....	....	7	2	30	6	4	12	1	....	1	....	2	1
4. Diseases of Nutrition	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—1. Accident or Negligence	8	7	2	4	4	....	2	....	11	1	2	14	3	1	7	1	12	4	....	2	4	3	7	1	4	1
2. Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....
4. Suicide	2	....	....	1	....	....	....	....	2	2	....	3	....	....	....	....	2	1	....	2	....	....	....	....	1	....
5. Execution	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths	7	11	3	4	5	1	....	....	7	8	1	13	2	2	5	1	1	3	....	8	3	....	21	....	1	1
CLASS I.—ZYMOTIC	89	73	16	40	47	6	11	....	119	66	2	219	19	2	70	6	111	40	4	64	35	....	56	9	14	6
I.—ORDER 1. Miasmatic	88	72	16	40	46	6	11	....	118	65	2	218	17	2	69	6	111	39	4	64	35	....	56	9	13	6
1. Small-pox	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	....	7	13	....	....	....	....	....
2. Measles	5	7	....	3	....	....	....	....	4	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Scarlatina	35	12	....	4	6	....	....	....	15	3	....	7	....	1	5	....	12	....	....	4	1	....	34	2	....	1
4. Diphtheria	10	....	4	2	9	1	....	....	58	20	....	74	....	....	11	....	25	2	....	3	....	....	....	1	1	....
5. Quinsy	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Croup	3	6	....	6	1	....	....	....	3	2	....	20	....	....	2	....	7	1	....	6	....	....	5	....	2	1

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
7. Whooping-cough	4	14	2	4	1	....	....	....	2	2	....	2	10	....	1	....	3	....	....	1	....	....	3	....	....	1
8. Typhoid Fever	13	3	....	7	6	....	5	....	7	8	....	23	2	1	14	....	21	13	....	5	7	....	3	....	....	....
8. Typhus Fever	1	....	....	....	....	....	1	....	1	....	....	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....
8. Typho-malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Erysipelas	1	1	....	....	4	....	....	....	1	1	....	4	1	....	2	1	2	3	....	....	2	....	1	....	....	....
10. Puerperal Fever	1	....	....	2	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	1	....	....	....	1	2	....
11. Carbuncle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
[illegible]enza	1	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
[illegible]entery	1	5	4	3	2	1	....	....	2	3	....	4	....	....	3	2	5	11	....	20	....	....	1	4	1	....
[illegible]ea	1	12	1	1	3	3	2	....	3	2	....	26	1	....	5	1	1	3	2	6	6	....	3	....	4	2
[illegible] Infantum	5	5	2	2	5	1	2	....	12	13	2	33	3	....	13	....	19	5	....	4	1	....	5	....	3	....
[illegible]a Morbus	1	3	....	....	....	....	....	....	....	....	....	2	....	....	1	1	1	....	....	1	....	....	....	....	....	....
[illegible] Cholera	....	2	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....
17. Ague	2	1	1	2	2	....	....	....	1	3	....	4	....	....	6	....	2	1	....	....	3	....	....	....	....	....
[illegible]. Remittent Fever	2	1	....	2	3	....	1	....	3	4	....	5	....	....	5	....	4	....	1	....	2	....	1	1	....	1
[illegible]. Rheumatism	1	....	....	2	4	....	....	....	4	3	....	5	....	....	1	1	2	....	1	4	....	....	....	....	....	....
I.—UNDER 2. Enthetic	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
1. Syphilis	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
2. Stricture of Urethra	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Stricture	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	----	1	----	----	1	----	----	----	----	----	----	1	2	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Delirium Tremens (Alcoholism)	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Intemperance	----	1	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 4. Parasitic	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1	----
1. Thrush	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----
2. Worms	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	57	36	15	42	44	7	19	----	62	70	3	131	7	5	36	6	74	39	6	63	11	5	24	5	18	----
II.—ORDER 1. Diathetic	11	14	4	11	8	2	2	----	13	14	2	29	2	----	13	2	29	9	----	19	3	----	4	----	5	----
1. Gout	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Anæmia	1	10	----	----	2	----	----	----	7	2	----	----	----	----	4	----	4	4	----	6	----	----	2	----	2	----
2. Dropsy	5	2	1	6	----	----	2	----	3	3	1	13	----	----	1	2	7	----	----	4	3	----	2	----	2	----
3. Cancer	3	2	3	5	5	1	----	----	3	9	1	14	2	----	7	----	16	5	----	8	----	----	----	----	1	----
4. Noma (Canker)	1	----	----	----	1	1	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Mortification	1	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	2	----	----	----	----	----	----	----	----	----
II.—ORDER 2. Tubercular	46	22	11	31	36	5	17	----	49	56	1	102	5	5	23	4	45	30	6	44	8	5	20	5	13	----
1. Scrofula	----	----	----	----	----	----	----	----	2	2	----	2	1	----	----	----	1	----	----	2	----	----	1	----	----	----
2. Consumption of Bowels	----	----	----	----	1	----	----	----	----	3	----	6	----	----	1	----	----	----	----	----	----	----	----	----	----	----
3. Phthisis (Consumption of Lungs)	46	22	11	31	35	5	17	----	47	51	1	94	1	5	22	4	44	30	6	40	8	5	18	5	13	----

CAUSES OF DEATH, ETC.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4. Hydrocephalus																												
5. Marasmus																												
CLASS III.—LOCAL DISEASES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
III.—ORDER 1. Nervous System	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1. Cephalitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2. Apoplexy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3. Paralysis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4. Insanity	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5. Chorea	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6. Epilepsy	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7. Tetanus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8. Convulsions	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9. Brain Disease	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9. Dropsy of Brain	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10. Spinal Fever	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11. Spotted Fever	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12. Meningitis	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13. Meningitis, Cerebro-spinal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14. Meningitis, Spinal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15. Neuralgia	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

16. Spine Disease	1	....	....	1	3	....	1	....	2	1	1	4	....	....	3	1	....	3	....	....	....	....	....	....	....	....
17. Spine, Inflam. of	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18. Frightened	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 2. Organs of Circulation	12	6	3	11	7	4	3	....	10	13	....	21	....	....	9	2	27	13	....	11	3	....	3	....	....	....
1. Pericarditis	1	1	....	1	....	....	....	....	1	1	....	....	....	....	1	....	5	2	....	4	....	....	....	....	....	....
2. Aneurism	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Heart disease	11	5	3	10	7	4	3	....	9	12	....	21	....	....	8	2	22	11	....	7	3	....	3	....	....	....
4. Embole	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 3. Respiratory Organs	14	6	6	11	16	1	4	....	29	19	1	20	7	4	22	5	29	14	....	15	1	....	8	4	1	....
1. Epistaxis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Laryngitis	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
3. Bronchitis	....	....	1	1	1	....	....	....	....	1	1	2	3	....	2	....	1	....	....	1	....	....	....	....	....	....
4 Pleurisy	....	....	....	....	....	....	1	....	....	2	....	....	....	....	1	....	1	....	....	2	....	....	....	....	....	....
5. Pneumonia	13	3	4	9	12	1	2	....	22	14	....	14	1	3	15	3	19	10	....	7	....	....	7	4	1	....
6. Asthma	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	3	....	....	....	....	....	....	....	....	....
7. Lung Disease	1	3	1	1	1	....	1	....	7	1	....	2	3	....	4	2	5	4	....	5	1	....	1	....	....	....
8. Catarrh	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 4. Digestive Organs	20	6	....	5	11	....	1	....	16	13	....	27	8	1	11	....	17	17	....	20	3	....	3	3	1	....
1. Gastritis	4	1	....	1	....	....	....	....	1	....	....	....	1	....	....	....	....	1	....	1	....	....	....	....	....	....
2. Enteritis	8	4	....	1	3	....	1	....	6	4	....	16	2	1	2	....	6	8	....	16	1	....	1	2	....	....
3. Peritonitis	....	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Ascites	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Ulceration of Intestines	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
6. Hernia	2	....	....	1	1	....	....	....	....	1	....	1	....	....	1	....	1	....	....	....	....	....	1	....	....	....
7. Obstruction of Bowels	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Intussusception	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	2	1	----	2	2	----	----	----	3	3	----	3	1	----	----	----	6	6	----	1	----	----	----	----	----	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	1	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	----	----	----	----	----	----	----	----	1	----	----	1	----	----	1	----	1	----	----	1	----	----	----	----	----	----
15. Liver Diseases	3	----	----	----	4	----	----	----	4	----	----	6	----	----	3	----	2	----	----	1	2	----	----	----	1	----
16. Spleen Diseases	----	----	----	----	1	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases	----	----	----	----	----	----	----	----	----	4	----	.	----	----	2	----	1	2	----	----	----	----	1	1	----	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	5	----	2	2	5	----	1	----	9	11	1	7	1	----	2	----	7	2	----	3	----	----	----	1	----	----
1. Nephritis	1	----	1	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Ischura	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	2	----	----	----	----	----	----	----	1	2	----	1	1	----	1	----	1	----	----	1	----	----	----	----	----	----
4. Diabetes	1	----	1	----	----	----	----	----	5	3	----	2	----	----	1	----	3	1	----	1	----	----	----	----	----	----
5. Calculus (Gravel, etc.)	----	----	----	----	----	----	----	----	1	1	----	1	----	----	----	----	1	1	----	----	----	----	----	----	----	----
6. Cystitis	1	----	----	----	2	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7. Kidney Disease	----	----	----	2	3	----	1	----	2	5	1	2	----	----	----	----	2	----	----	1	----	----	----	1	----	----
III.—ORDER 6. Generative Organs	----	----	----	----	----	----	----	----	----	----	----	.	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Ovarian Dropsy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Ovarian Tumor	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Diseases of Uterus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 7. Organs of Locomotion	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 8. Integumentary System	1	1	----	2	1	----	----	----	1	1	----	3	----	----	1	----	3	1	----	1	1	----	----	----	1	----
1. Phlegmon	----	----	----	1	----	----	----	----	1	1	----	2	----	----	----	----	1	1	----	----	1	----	----	----	----	----
2. Ulcer	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Skin Diseases	1	1	----	1	1	----	----	----	----	----	----	----	----	----	1	----	2	----	----	1	----	----	----	----	1	----
CLASS IV.—DEVELOPMENTAL DISEASES	21	32	15	29	32	3	8	----	40	36	2	68	11	2	26	14	46	16	5	35	16	1	34	2	10	1
IV.—ORDER 1. Dev. Diseases of Children	5	28	10	11	15	3	6	----	25	17	1	45	11	2	13	10	12	8	1	22	13	----	31	2	7	----
1. Still-born	4	26	10	11	11	3	5	----	23	14	1	42	10	2	12	9	11	8	1	20	11	----	28	2	7	----
2. Infantile	----	1	----	----	2	----	----	----	----	1	----	2	----	----	----	1	1	----	----	----	----	----	----	----	----	----
2. Premature Birth	----	1	----	----	----	----	----	----	2	----	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----
3. Cyanosis	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	----	----	----	----	----	----	1	----	----	2	----	1	----	----	1	----	----	----	----	2	2	----	2	----	----	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—ORDER 2. Dev. Diseases of Women	2	3	----	8	3	----	1	----	2	1	1	11	----	----	6	2	4	2	----	1	2	1	2	----	1	----
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Childbirth	2	3	----	4	3	----	1	----	2	1	1	10	----	----	6	2	4	2	----	1	2	1	2	----	1	----
2. Abortion	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Uterine Hemorrhage	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	STATE.	COUNTIES,—1877.																								
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
IV.—ORDER 3. Dev. Diseases of Old People	489	....	12	....	....	....	8	8	....	12	9	13	4	1	....	....	1	2	....	5	....	10	....	4	2
1. Old Age	489	....	12	....	....	....	8	8	....	12	9	13	4	1	....	....	1	2	....	5	....	10	....	4	2
IV.—ORDER 4. Diseases of Nutrition	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Atrophy and Debility	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS V.—VIOLENT DEATHS	654	1	13	6	3	....	8	26	2	21	9	13	4	....	2	....	5	14	1	14	1	8	2	2	6
V.—ORDER 1. Accident or Negligence	352	....	9	6	3	....	2	15	1	15	3	6	2	....	2	....	2	9	1	5	1	6	....	2	5
1. Fractures and Contusions	64	....	1	....	....	....	....	....	....	4	1	2	....	....	....	....	1	4	1	2	....	1	....	....	1
2. Wounds	10	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Burns and Scalds	60	....	3	....	2	....	1	6	....	2	2	....	1	....	....	....	....	....	....	1	....	1	....	....	1
4. Poison	33	....	....	2	....	....	....	1	....	2	....	1	....	....	....	....	....	1	....	....	1	....	....	....	1
5. Drowning	103	....	2	2	....	....	1	6	1	5	....	2	....	....	2	....	....	2	....	1	....	....	....	....	....
6. Suffocation	14	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1
7. Otherwise	68	....	2	2	1	....	....	2	....	1	....	1	1	....	....	....	1	1	....	1	....	4	....	1	1
V.—ORDER 2. In Battle	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	13	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1
1. Murder	9	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	67	1	....	....	....	....	4	2	....	1	2	1	....	....	....	....	1	1	....	4	....	1	....	....	....
1. Wounds	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....

2. Poison	16		----	----		-	--	1	-	----	----	--			----			----	-	2	--		-		----
3. Drowning	5		----	----		-	--	----	-	----	2	--			----			----	-	-	--		-		----
4. Hanging	5		----	----		-	1	----	-	----	----	--			----			1	-	-	--		-		----
5. Otherwise and not Specified	36		----	----		-	3	1	-	1	----	1			----			----	-	2	--		-		----
V.—ORDER 5. Execution	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 6. Violent Deaths not Included above	222	----	3	----	----	----	2	9	1	5	4	5	2	----	----	----	2	4	----	5	----	1	2	----	----
UNCLASSIFIED	67	----	----	----	----	----	1	2	----	1	----	1	----	----	----	----	----	3	----	----	----	----	----	----	----
1. Hemorrhage	20	----	----	----	----	----	1	1	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----
2. Inflammation	39	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----	2	----	----	----	----	----	----	----
3. Otherwise	8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Causes not Specified	1,392	1	25	6	4	8	18	37	4	34	18	23	23	7	11	6	3	22	8	10	23	21	1	2	8

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
All Causes	287	253	87	181	211	28	72	....	366	317	18	633	66	20	229	48	390	182	16	269	101	10	232	34	60	14
Specified Causes	266	196	73	167	194	25	63	....	342	301	16	592	64	20	211	40	373	173	15	250	89	10	171	30	54	9
Causes not Specified	21	57	14	14	17	3	9	....	24	16	2	41	2	....	18	8	17	9	1	19	12	....	61	4	6	5
CLASSES.																										
I.—Zymotic Diseases	89	73	16	40	47	6	11	....	119	66	2	219	19	2	70	6	111	40	4	64	35	....	56	9	14	6
II.—Constitutional Diseases	57	36	15	42	44	7	19	....	62	70	3	131	7	5	36	6	74	39	6	63	11	5	24	5	18	....
III.—Local Diseases	81	36	20	45	62	7	23	....	101	116	6	142	22	8	67	12	126	70	....	75	18	1	27	12	6	....
IV.—Developmental Diseases	21	32	15	29	32	3	8	....	40	36	2	68	11	2	26	14	46	16	5	35	16	1	34	2	10	1
V.—Violent Deaths	17	18	5	9	9	1	2	....	20	12	3	30	5	3	12	2	16	8	....	12	8	3	28	1	6	2
Unclassified	1	1	2	2	....	1	....	....	....	1	....	2	....	....	....	....	....	....	....	1	1	....	2	1	....	....
ORDERS.																										
I.—1. Miasmatic Diseases	88	72	16	40	46	6	11	....	118	65	2	218	17	2	69	6	111	39	4	64	35	....	56	9	13	6
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
3. Dietic Diseases	....	1	....	....	1	....	....	....	....	....	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Parasitic Diseases	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....
II.—1. Diathetic Diseases	11	14	4	11	8	2	2	....	13	14	2	29	2	....	13	2	29	9	....	19	3	....	4	....	5	....
2. Tubercular Diseases	46	22	11	31	36	5	17	....	49	56	1	102	5	5	23	4	45	30	6	44	8	5	20	5	13	....

III.—1. Diseases of Nervous System	29	17	9	14	21	2	14	....	36	59	4	64	6	3	22	5	43	23	....	25	10	1	13	4	3	....
2. Diseases of Organs of Circulation	12	6	3	11	7	4	3	....	10	13	....	21	....	....	9	2	27	13	....	11	3	....	3	....	....	....
3. Diseases of Respiratory Organs	14	6	6	11	16	1	4	....	29	19	1	20	7	4	22	5	29	14	....	15	1	....	8	4	1	....
4. Diseases of Digestive Organs	20	6	....	5	11	....	1	....	16	13	....	27	8	1	11	....	17	17	....	20	3	....	3	3	1	....
5. Diseases of Urinary Organs	5	....	2	2	5	....	1	....	9	11	1	7	1	....	2	....	7	2	....	3	....	....	....	1	....	....
6. Diseases of Generative Organs	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7. Diseases of Organs of Locomotion	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Dis. of Integumentary System	1	1	....	2	1	....	....	....	1	1	....	3	....	....	1	....	3	1	....	1	1	....	....	....	1	....
IV.—1. Developmental Dis. of Children	5	28	10	11	15	3	6	....	25	17	1	45	11	2	13	10	12	8	1	22	13	....	31	2	7	....
2. Developmental Dis. of Women	2	3	....	8	3	....	1	....	2	1	1	11	....	....	6	2	4	2	....	1	2	1	2	....	1	....
3. Developmental Dis. of Old People	14	1	5	10	14	....	1	....	13	18	....	12	....	....	7	2	30	6	4	12	1	....	1	....	2	1
4. Diseases of Nutrition	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—1. Accident or Negligence	8	7	2	4	4	....	2	....	11	1	2	14	3	1	7	1	12	4	....	2	4	3	7	1	4	1
2. Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Homicide	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....
4. Suicide	2	....	....	1	....	....	....	....	2	2	....	3	....	....	....	....	2	1	....	2	....	....	....	....	1	....
5. Execution	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Violent Deaths	7	11	3	4	5	1	....	....	7	8	1	13	2	2	5	1	1	3	....	8	3	....	21	....	1	1
CLASS I.—ZYMOTIC	89	73	16	40	47	6	11	....	119	66	2	219	19	2	70	6	111	40	4	64	35	....	56	9	14	6
I.—ORDER I. Miasmatic	88	72	16	40	46	6	11	....	118	65	2	218	17	2	69	6	111	39	4	64	35	....	56	9	13	6
1. Small-pox	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	5	....	....	7	13	....	....	....	....	....
2. Measles	5	7	....	3	....	....	....	....	4	1	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Scarlatina	35	12	....	4	6	....	....	....	15	3	....	7	....	1	5	....	12	....	....	4	1	....	34	2	....	1
4. Diphtheria	10	....	4	2	9	1	....	....	58	20	....	74	....	....	11	....	25	2	....	3	....	....	....	1	1	....
5. Quinsy	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6. Croup	3	6	....	6	1	....	....	....	3	2	....	20	....	....	2	....	7	1	....	6	....	....	5	....	2	1

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
7. Whooping-cough	4	14	2	4	1	....	....	....	2	2	....	2	10	....	1	....	3	....	....	1	....	....	3	....	....	1
8. Typhoid Fever	13	3	....	7	6	....	5	....	7	8	....	23	2	1	14	....	21	13	....	5	7	....	3	....	....	....
Typhus Fever	1	....	....	....	....	....	1	....	1	....	....	1	....	....	....	....	1	....	....	1	....	....	....	....	....	....
Typho-malarial Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9. Erysipelas	1	1	....	....	4	....	....	....	1	1	....	4	1	....	2	1	2	3	....	....	2	....	1	....	....	....
10. Puerperal Fever	1	....	....	2	....	....	....	....	....	....	....	5	....	....	....	....	....	....	....	1	....	....	....	1	2	....
11. Carbuncle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
12. Influenza	1	....	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13. Dysentery	1	5	4	3	2	1	....	....	2	3	....	4	....	....	3	2	5	11	....	20	....	....	1	4	1	....
14. Diarrhea	1	12	1	1	3	3	2	....	3	2	....	26	1	....	5	1	1	3	2	6	6	....	3	....	4	2
15. Cholera Infantum	5	5	2	2	5	1	2	....	12	13	2	33	3	....	13	....	19	5	....	4	1	....	5	....	3	....
16. Cholera Morbus	1	3	....	....	....	....	....	....	....	....	....	2	....	....	1	1	1	....	....	1	....	....	....	....	....	....
Cholera	....	2	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....
17. Ague	2	1	1	2	2	....	....	....	1	3	....	4	....	....	6	....	2	1	....	....	3	....	....	....	....	....
18. Remittent Fever	2	1	....	2	3	....	1	....	3	4	....	5	....	....	5	....	4	....	1	....	2	....	1	1	....	1
19. Rheumatism	1	....	....	2	4	....	....	....	4	3	....	5	....	....	1	1	2	....	1	4	....	....	....	....	....	....
I.—ORDER 2. Enthetic	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
1. Syphilis	....	....	....	....	....	....	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
2. Stricture of Urethra	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Stricture	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	----	1	----	----	1	----	----	----	----	----	----	1	2	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Delirium Tremens (Alcoholism)	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Intemperance	----	1	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 4. Parasitic	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1	----
1. Thrush	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----
2. Worms	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	57	36	15	42	44	7	19	----	62	70	3	131	7	5	36	6	74	39	6	63	11	5	24	5	18	----
II.—ORDER 1. Diathetic	11	14	4	11	8	2	2	----	13	14	2	29	2	----	13	2	29	9	----	19	3	----	4	----	5	----
1. Gout	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Anæmia	1	10	----	----	2	----	----	----	7	2	----	----	----	----	4	----	4	4	----	6	----	----	2	----	2	----
2. Dropsy	5	2	1	6	----	----	2	----	3	3	1	13	----	----	1	2	7	----	----	4	3	----	2	----	2	----
3. Cancer	3	2	3	5	5	1	----	----	3	9	1	14	2	----	7	----	16	5	----	8	----	----	----	----	1	----
4. Noma (Canker)	1	----	----	----	1	1	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Mortification	1	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	2	----	----	----	----	----	----	----	----	----
II.—ORDER 2. Tubercular	46	22	11	31	36	5	17	----	49	56	1	102	5	5	23	4	45	30	6	44	8	5	20	5	13	----
1. Scrofula	----	----	----	----	----	----	----	----	2	2	----	2	1	----	----	----	1	----	----	2	----	----	1	----	----	----
2. Consumption of Bowels	----	----	----	----	1	----	----	----	----	3	----	6	----	----	1	----	----	----	----	----	----	----	----	----	----	----
3. Phthisis (Consumption of Lungs)	46	22	11	31	35	5	17	----	47	51	1	94	1	5	22	4	44	30	6	40	8	5	18	5	13	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, 1877.	COUNTIES, 1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
4. Hydrocephalus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Marasmus	----	----	----	----	----	----	----	----	----	----	----	----	3	----	----	----	----	----	----	1	----	----	1	----	----	----
CLASS III.—LOCAL DISEASES	81	36	20	45	62	7	23	----	101	116	6	142	22	8	67	12	126	70	----	75	18	1	27	12	6	----
III.—ORDER I. Nervous System	29	17	9	14	21	2	14	----	36	59	4	64	6	3	22	5	43	23	----	25	10	1	13	4	3	----
1. Cephalitis	3	2	1	4	7	2	4	----	2	6	1	15	----	----	3	----	6	5	----	4	6	----	6	1	2	----
2. Apoplexy	1	----	2	1	1	----	----	----	1	2	----	3	1	----	1	----	3	----	----	3	----	----	----	----	----	----
3. Paralysis	8	1	----	2	3	----	----	----	8	10	----	14	----	1	2	1	18	3	----	3	1	1	2	1	----	----
4. Insanity	----	----	----	----	----	----	----	----	----	7	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Chorea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
6. Epilepsy	----	----	----	----	1	----	----	----	1	8	----	1	----	----	----	----	3	1	----	4	----	----	----	----	----	----
7. Tetanus	2	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----
8. Convulsions	3	11	5	1	2	----	4	----	6	8	1	14	3	2	3	2	3	1	----	3	2	----	2	1	1	----
9. Brain Disease	4	1	----	3	1	----	2	----	9	13	1	8	2	----	6	----	6	3	----	5	1	----	2	1	----	----
9. Dropsy of Brain	2	1	1	1	----	----	----	----	1	1	----	2	----	----	1	1	----	2	----	2	----	----	----	----	----	----
10. Spinal Fever	2	----	----	----	3	----	2	----	3	----	----	2	----	----	1	----	1	3	----	----	----	----	----	----	----	----
11. Spotted Fever	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Meningitis, Cerebro-spinal	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
14. Meningitis, Spinal	3	----	----	1	----	----	1	----	3	1	----	1	----	----	1	----	2	1	----	----	----	----	----	----	----	----
15. Neuralgia	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----

16. Spine Disease	1	....	....	1	3	....	1	....	2	1	1	4	....	....	3	1	....	3	....	....	....	....	....	....	....	....
17. Spine, Inflam. of	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18. Frightened	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 2. Organs of Circulation	12	6	3	11	7	4	3	....	10	13	....	21	....	....	9	2	27	13	....	11	3	....	3	....	....	....
1. Pericarditis	1	1	....	1	....	....	....	....	1	1	....	....	....	....	1	....	5	2	....	4	....	....	....	....	....	....
2. Aneurism	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3. Heart disease	11	5	3	10	7	4	3	....	9	12	....	21	....	....	8	2	22	11	....	7	3	....	3	....	....	....
4. Embole	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 3. Respiratory Organs	14	6	6	11	16	1	4	....	29	19	1	20	7	4	22	5	29	14	....	15	1	....	8	4	1	....
1. Epistaxis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Laryngitis	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
3. Bronchitis	....	....	1	1	1	....	....	....	....	1	1	2	3	....	2	....	1	....	....	1	....	....	....	....	....	....
4 Pleurisy	....	....	....	....	....	....	1	....	....	2	....	....	....	....	1	....	1	....	....	2	....	....	....	....	....	....
5. Pneumonia	13	3	4	9	12	1	2	....	22	14	....	14	1	3	15	3	19	10	....	7	....	....	7	4	1	....
6. Asthma	....	....	....	....	....	....	....	....	....	1	....	2	....	....	....	....	3	....	....	....	....	....	....	....	....	....
7. Lung Disease	1	3	1	1	1	....	1	....	7	1	....	2	3	....	4	2	5	4	....	5	1	....	1	....	....	....
8. Catarrh	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
III.—ORDER 4. Digestive Organs	20	6	....	5	11	....	1	....	16	13	....	27	8	1	11	....	17	17	....	20	3	....	3	3	1	....
1. Gastritis	4	1	....	1	....	....	....	....	1	....	....	....	1	....	....	....	....	1	....	1	....	....	....	....	....	....
2. Enteritis	8	4	....	1	3	....	1	....	6	4	....	16	2	1	2	....	6	8	....	16	1	....	1	2	....	....
3. Peritonitis	....	....	....	....	....	....	....	....	1	....	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Ascites	....	....	....	....	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
5. Ulceration of Intestines	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
6. Hernia	2	....	....	1	1	....	....	....	....	1	....	1	....	....	1	....	1	....	....	....	....	....	1	....	....	....
7. Obstruction of Bowels	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8. Intussusception	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES, 1877.																									
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9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	2	1	----	2	2	----	----	----	3	3	----	3	1	----	----	----	6	6	----	1	----	----	----	----	----	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14. Jaundice	----	----	----	----	----	----	----	----	1	----	----	1	----	----	1	----	1	----	----	1	----	----	----	----	----	----
15. Liver Diseases	3	----	----	----	4	----	----	----	4	----	----	6	----	----	3	----	2	----	----	1	2	----	----	----	1	----
16. Spleen Diseases	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases	----	----	----	----	----	----	----	----	----	4	----	----	----	----	2	----	1	2	----	----	----	----	1	1	----	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	5	----	2	2	5	----	1	----	9	11	1	7	1	----	2	----	7	2	----	3	----	----	----	1	----	----
1. Nephritis	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Ischura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	2	----	----	----	----	----	----	----	1	2	----	1	1	----	1	----	1	----	----	1	----	----	----	----	----	----
4. Diabetes	1	----	1	----	----	----	----	----	5	3	----	2	----	----	1	----	3	1	----	1	----	----	----	----	----	----
5. Calculus (Gravel, etc.)	----	----	----	----	----	----	----	----	1	1	----	1	----	----	----	----	1	1	----	----	----	----	----	----	----	----
6. Cystitis	1	----	----	----	2	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7. Kidney Disease	----	----	----	2	3	----	1	----	2	5	1	2	----	----	----	----	2	----	----	1	----	----	----	1	----	----
III.—ORDER 6. Generative Organs	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

ian Dropsy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
arian Tumor	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Diseases of Uterus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 7. Organs of Locomotion	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 8. Integumentary System	1	1	----	2	1	----	----	----	1	1	----	3	----	----	1	----	3	1	----	1	1	----	----	----	1	----
1. Phlegmon	----	----	----	1	----	----	----	----	1	1	----	2	----	----	----	----	1	1	----	----	1	----	----	----	----	----
2. Ulcer	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Skin Diseases	1	1	----	1	1	----	----	----	----	----	----	----	----	----	1	----	2	----	----	1	----	----	----	----	1	----
CLASS IV.—DEVELOPMENTAL DISEASES	21	32	15	29	32	3	8	----	40	36	2	68	11	2	26	14	46	16	5	35	16	1	34	2	10	1
IV.—ORDER 1. Dev. Diseases of Children	5	28	10	11	15	3	6	----	25	17	1	45	11	2	13	10	12	8	1	22	13	----	31	2	7	----
1. Still-born	4	26	10	11	11	3	5	----	23	14	1	42	10	2	12	9	11	8	1	20	11	----	28	2	7	----
2. Infantile	----	1	----	----	2	----	----	----	----	1	----	2	----	----	----	1	1	----	----	----	----	----	----	----	----	----
2. Premature Birth	----	1	----	----	----	----	----	----	2	----	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----
3. Cyanosis	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	----	----	----	----	----	----	1	----	----	2	----	1	----	----	1	----	----	----	----	2	2	----	2	----	----	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—ORDER 2. Dev. Diseases of Women	2	3	----	8	3	----	1	----	2	1	1	11	----	----	6	2	4	2	----	1	2	1	2	----	1	----
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Childbirth	2	3	----	4	3	----	1	----	2	1	1	10	----	----	6	2	4	2	----	1	2	1	2	----	1	----
2. Abortion	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Uterine Hemorrhage	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
IV.—ORDER 3. Dev. Dis. of Old People	14	1	5	10	14	....	1	....	13	18	....	12	....	....	7	2	30	6	4	12	1	....	1	....	2	1
1. Old Age	14	1	5	10	14	....	1	....	13	18	....	12	....	....	7	2	30	6	4	12	1	....	1	....	2	1
IV.—ORDER 4. Diseases of Nutrition	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Atrophy and Debility	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS V.—VIOLENT DEATHS	17	18	5	9	9	1	2	....	20	12	3	30	5	3	12	2	16	8	....	12	8	3	28	1	6	2
V.—ORDER 1. Accident or Negligence	8	7	2	4	4	....	2	....	11	1	2	14	3	1	7	1	12	4	....	2	4	3	7	1	4	1
1. Fractures and Contusions	1	....	....	2	....	....	....	....	4	....	....	....	1	....	....	....	2	....	....	....	....	....	....	....	1	....
2. Wounds	....	1	....	....	1	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
3. Burns and Scalds	2	....	1	1	....	....	1	....	2	....	....	2	....	1	2	1	3	1	....	....	1	....	....	....	1	....
4. Poison	1	1	....	1	....	....	....	....	....	1	....	2	....	....	1	....	....	2	....	....	....	....	....	....	....	....
5. Drowning	2	4	....	....	2	....	....	....	3	....	....	6	1	....	3	....	3	....	....	....	2	....	3	....	1	1
6. Suffocation	....	....	....	....	1	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....	1	1	1	....
7. Otherwise	2	1	1	....	....	....	1	....	1	....	2	3	....	....	....	....	4	1	....	2	1	3	3	....	....	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....
1. Murder	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	2	....	....	1	....	....	....	....	2	2	....	3	....	....	....	....	2	1	....	2	....	....	....	....	1	....
1. Wounds	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....

2. Poison	----	----	----	1	----	----	----	----	1	2	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----
3. Drowning	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----
4. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
5. Otherwise and not Specified	2	----	----	----	----	----	----	----	1	----	----	1	----	----	----	----	1	----	----	----	----	----	----	----	1	----
V.—ORDER 5. Execution	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Hanging	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
V.—ORDER 6. Violent Deaths not Included above	7	11	3	4	5	1	----	----	7	8	1	13	2	2	5	1	1	3	----	8	3	----	21	----	1	1
UNCLASSIFIED	1	1	2	2	----	1	----	----	----	1	----	2	----	----	----	----	----	----	----	1	1	----	2	1	----	----
1. Hemorrhage	----	----	1	2	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	2	----	----	----
2. Inflammation	----	1	1	----	----	1	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----	----	1	----	----
3. Otherwise	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
Causes not Specified	21	57	14	14	17	3	9	----	24	16	2	41	2	----	18	8	17	9	1	19	12	----	61	4	6	5

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES,—1877.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
All Causes	58	9	265	144	115	64	324	92	....	18	64	6	274	19	4	535	186	5	158	324	199	164	218	362	2170	25
Specified Causes	53	6	225	119	107	56	303	83	....	16	51	6	249	11	4	465	158	5	135	274	186	153	202	335	1889	22
Causes not Specified	5	3	40	25	8	8	21	9	....	2	13	....	25	8	....	70	28	....	23	50	13	11	16	27	281	3
CLASSES.																										
I.—Zymotic Diseases	14	2	69	41	21	11	72	27	....	1	4	....	59	1	....	121	58	1	39	73	49	29	48	82	570	7
II.—Constitutional Diseases	9	....	51	22	21	14	69	19	....	2	5	2	57	4	....	100	34	....	30	69	39	30	49	86	392	4
III.—Local Diseases	17	3	63	40	42	23	119	17	....	8	22	1	69	2	2	131	44	3	49	78	66	56	72	107	558	7
IV.—Developmental Diseases	3	1	2	14	14	3	29	14	....	5	13	2	43	3	2	82	18	....	13	36	23	26	21	43	263	3
V.—Violent Deaths	9	....	12	2	9	5	11	6	....	....	6	1	20	1	....	25	3	1	3	17	9	11	11	15	83	1
Unclassified	1	....	2	....	....	....	3	....	....	....	1	....	1	....	....	6	1	....	1	1	....	1	1	2	23	....
ORDERS.																										
I.—1. Miasmatic Diseases	14	2	69	40	21	11	71	27	....	1	3	....	59	1	....	119	58	1	39	73	49	28	47	81	566	7
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....
3. Dietic Diseases	....	....	....	1	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1	....	....
4. Parasitic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	1	1	....	1	....
II.—1. Diathetic Diseases	2	....	15	9	5	2	12	3	....	1	3	2	28	3	....	19	13	....	10	24	8	7	16	25	121	....
2. Tubercular Diseases	7	....	36	13	16	12	57	16	....	1	2	....	29	1	....	81	21	....	20	45	31	23	33	61	271	4

III.—1. Diseases of Nervous System	3	1	27	9	21	16	60	6		1	4	.	34	.	2	56	17	1	22	27	32	25	23	43	272	4
2. Diseases of Organs of Circulation	4	1	12	2	3	2	13	2		1	2	.	6	.	.	11	2	.	5	10	8	5	14	15	80	1
3. Diseases of Respiratory Organs	6	1	11	20	11	4	21	3		4	6	1	17	2	.	28	13	1	10	21	10	10	20	17	111	1
4. Diseases of Digestive Organs	3	.	8	7	4	..	13	3		2	5	.	10	.	.	29	8	.	7	16	11	11	9	19	67	....
5. Diseases of Urinary Organs	....	.	1	2	.	1	8	2		....	2	.	2	.	.	4	4	.	5	1	3	3	5	10	10	1
6. Diseases of Generative Organs	....	.	..	..	.	..	2			....	....	.	....	.	.	1	...	1	....	1	1	1	..	1	....	....
7. Diseases of Organs of Locomotion	....	.	..	..	.	..	....			....	1	.	....	.		...	...	.	....	..	....	..	..	2	1	....
8. Dis. of Integumentary System	1	.	4	..	3	..	2			....	2	.	....	.	.	2	...	.	....	2	1	1	1	...	17	....
IV.—1. Developmental Dis. of Children	2	.	15	7	10	.	11	8		3	7	1	36	.	.	59	13	.	4	15	10	15	7	19	141	3
2. Developmental Dis. of Women	....	.	4	3	1	1	1	2		....	1	1	....	3	2	5	...	.	3	4	1	7	4	2	27	....
3. Developmental Dis. of Old People	1	1	9	4	3	2	17	4		2	5	.	7	.	.	18	5	.	6	17	12	4	10	22	95	....
4. Diseases of Nutrition	....	.	..	..	.	..	....			....	....	.	....	.	.	...	...	.	....	..	...	..	..	...	....	....
V.—1. Accident or Negligence	8	.	6	1	7	2	3	5	...	....	4	.	9	1	.	12	2	1	3	15	3	7	8	7	47	1
2. Battle	....	.	..	..	....	..	....	..	...	....	....	.	....	.	.	...	...	.	....	..	....	..	..	...	....	....
3. Homicide	1	.	1	..	....	..	2	..	...	....	....	.	1	.	.	...	...	.	....	..	....	..	..	1	1	....
4. Suicide	....	.	..	..	....	..	1	..	...	....	....	.	5	.	.	4	..	.	..	..	3	1	1	4	14	....
5. Execution	....	.	..	..	....	..	....	..	...	....	....	.	....	.	.	...	...	.	..	..	....	..	..	...	....	....
6. Violent Deaths	....	.	5	1	2	3	5	1	...	....	2	1	5	.	.	9	1	.	..	2	3	3	2	3	21	....
CLASS I.—ZYMOTIC	14	2	69	41	21	11	72	27	...	1	4	.	59	1	.	121	58	1	39	73	49	29	48	82	570	7
I.—ORDER 1. Miasmatic	14	2	69	40	21	11	71	27	...	1	3	.	59	1	.	119	58	1	39	73	49	28	47	81	566	7
1. Small-pox	....	.	..	..	....	..	3	..	...	....	....	.	....	.	.	...	3	.	..	3	..	..	.	...	50	....
2. Measles	....	.	2	..	1	1	1	..	...	1	....	.	....	.	.	2	...	.	..	1	4	..	..	...	20	....
3. Scarlatina	1	.	11	1	1	..	6	8	...	....	....	.	2	.	.	1	...	.	9	1	10	1	15	20	99	....
4. Diphtheria	2	.	8	8	2	3	15	..	...	....	....	.	6	.	.	19	17	.	1	13	5	5	4	1	55	....
5. Quinsy	....	.	..	..	....	..	....	..	...	....	....	.	....	.	.	...	...	.	..	..	....	..	..	...	2	....
6. Croup	....	.	2	1	....	..	1	..	...	....	....	.	6	.	.	8	3	.	..	7	1	3	1	2	28	2

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES.—1877.																								
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
7. Whooping-cough	----	----	6	3	1	1	----	----	----	----	----	----	----	----	----	7	6	----	2	1	5	1	1	2	27	----
8. Typhoid Fever	1	----	10	6	8	3	11	3	----	----	----	----	8	----	----	12	10	----	10	11	8	7	5	14	62	----
8. Typhus Fever	----	----	1	----	----	----	1	----	----	----	----	----	2	----	----	1	----	----	----	1	----	----	3	11	3	----
8. Typho-malarial Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9. Erysipelas	----	----	1	1	----	----	3	1	----	----	----	----	3	----	----	2	3	----	1	2	1	1	3	2	8	----
10. Puerperal Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	1	----
11. Carbuncle	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Influenza	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	1	----	----
13. Dysentery	4	----	4	4	2	----	13	6	----	----	3	----	7	----	----	13	1	----	6	1	7	1	1	3	22	----
14. Diarrhea	1	----	2	3	2	----	4	4	----	----	----	----	5	1	----	16	6	----	----	12	----	3	----	1	125	----
15. Cholera Infantum	5	2	7	6	1	----	7	4	----	----	----	----	6	----	----	23	1	----	4	5	5	3	3	13	25	5
16. Cholera Morbus	----	----	3	----	1	----	----	----	----	----	----	----	----	----	----	----	3	----	----	1	----	----	----	2	4	----
16. Cholera	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----	1	----	----	1	1	4	----
17. Ague	----	----	10	1	----	1	1	1	----	----	----	----	8	----	----	7	2	----	3	3	2	1	4	2	17	----
18. Remittent Fever	----	----	2	3	2	1	1	----	----	----	----	----	6	----	----	5	2	----	----	5	1	----	2	2	8	----
19. Rheumatism	----	----	----	3	----	1	4	----	----	----	----	----	----	----	----	2	1	----	1	5	----	2	3	4	6	----
I.—ORDER 2. Enthetic	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	3	----
1. Syphilis	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	3	----
2. Stricture of Urethra	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Stricture	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

3. Hydrophobia	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Glanders	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
I.—ORDER 3. Dietic	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----
1. Privation	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Purpura	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Rachitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Scurvy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Delirium Tremens (Alcoholism)	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4. Intemperance	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----
I.—ORDER 4. Parasitic	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	1	----	1	----
1. Thrush	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	----
2. Worms	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----
3. Disease of Scalp	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
CLASS II.—CONSTITUTIONAL	9	----	51	22	21	14	69	19	----	2	5	2	57	4	----	100	34	----	30	69	39	30	49	86	392	4
II.—ORDER 1. Diathetic	2	----	15	9	5	2	12	3	----	1	3	2	28	3	----	19	13	----	10	24	8	7	16	25	121	----
1. Gout	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Anæmia	----	----	2	----	----	2	1	----	----	1	----	----	9	----	----	2	3	----	2	8	1	----	1	7	40	----
2. Dropsy	1	----	3	3	2	----	5	1	----	----	3	2	9	2	----	6	7	----	4	8	5	1	2	10	38	----
3. Cancer	1	----	8	4	3	----	5	2	----	----	----	----	7	1	----	7	2	----	1	8	2	5	11	8	40	----
4. Noma (Canker)	----	----	1	1	----	----	1	----	----	----	----	----	----	----	----	3	1	----	3	----	----	----	1	----	1	----
5. Mortification	----	----	1	1	----	----	----	----	----	----	----	----	2	----	----	1	----	----	----	----	----	1	1	----	2	----
II.—ORDER 2. Tubercular	7	----	36	13	16	12	57	16	----	1	2	----	29	1	----	81	21	----	20	45	31	23	33	61	271	4
1. Scrofula	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----	----	1	----	1	----	2	3	----
2. Consumption of Bowels	----	----	----	----	----	1	2	----	----	----	----	----	----	----	----	1	----	----	----	----	2	----	1	----	1	----
3. Phthisis (Consumption of Lungs)	6	----	35	13	15	11	55	16	----	1	2	----	29	1	----	77	20	----	20	44	29	22	32	59	262	4

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES.—1877.																								
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
4. Hydrocephalus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	1	----
5. Marasmus	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	4	----
CLASS III.—LOCAL DISEASES	17	3	63	40	42	23	119	17	----	8	22	1	69	2	2	131	44	3	49	78	66	56	72	107	558	7
III.—ORDER I. Nervous System	3	1	27	9	21	16	60	6	----	1	4	----	34	----	2	56	17	1	22	27	32	25	23	43	272	4
1. Cephalitis	----	----	4	3	3	4	2	1	----	----	1	----	6	----	1	7	2	----	1	7	4	6	2	5	83	----
2. Apoplexy	----	----	3	----	----	----	7	----	----	----	----	----	6	----	----	2	----	----	3	----	3	3	3	6	9	1
3. Paralysis	----	1	3	1	4	2	19	1	----	----	----	----	----	----	----	7	2	----	5	6	11	----	3	9	32	----
4. Insanity	----	----	1	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	1	----	4	----
5. Chorea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Epilepsy	----	----	1	----	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----
7. Tetanus	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	1	----
8. Convulsions	----	----	5	2	10	2	6	2	----	1	1	----	16	----	1	18	7	----	2	5	7	5	1	6	71	----
9. Brain Disease	----	----	4	2	1	1	16	1	----	----	1	----	1	----	----	7	1	1	2	2	3	2	6	13	30	1
9. Dropsy of Brain	----	----	1	----	1	----	3	----	----	----	1	----	----	----	----	5	2	----	2	----	----	1	----	----	13	1
10. Spinal Fever	1	----	1	----	----	6	----	----	----	----	----	----	2	----	----	3	1	----	----	----	4	6	3	1	2	1
11. Spotted Fever	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	2	----	----	----	----	----	----	----
12. Meningitis	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	----	2	----	----	1	----	2	----
13. Meningitis, Cerebro-spinal	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----
14. Meningitis, Spinal	----	----	1	1	1	----	1	----	----	----	----	----	----	----	----	1	----	----	1	4	----	2	----	1	1	----
15. Neuralgia	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	----

16. Spine Disease	1	----	2	----	----	1	3	----	----	----	----	----	2	----	----	3	2	----	3	----	----	----	1	1	22	----
17. Spine, Inflam. of	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
18. Frightened	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Circulation	4	1	12	2	3	2	13	2	----	1	2	----	6	----	----	11	2	----	5	10	8	5	14	15	80	1
1. Pericarditis	1	----	1	----	1	----	5	1	----	----	----	----	----	----	----	1	----	----	1	----	1	----	2	1	6	----
2. Aneurism	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Heart Disease	3	1	11	2	2	2	8	1	----	1	2	----	6	----	----	10	2	----	4	10	7	5	12	14	74	1
4. Emboli	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 3. Respiratory Organs	6	1	11	20	11	4	21	3	----	4	6	1	17	2	----	28	13	1	10	21	10	10	20	17	111	1
1. Epistaxis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Laryngitis	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
3. Bronchitis	----	----	----	1	1	----	----	----	----	----	----	----	----	2	----	3	1	----	1	2	1	1	----	----	11	----
4. Pleurisy	----	----	3	1	----	----	1	----	----	----	1	----	2	----	----	----	----	----	----	----	----	----	----	1	1	----
5. Pneumonia	5	1	6	14	6	4	16	3	----	4	5	----	13	----	----	12	9	----	8	13	8	7	16	15	57	1
6. Asthma	1	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	1	----	1	2	----	9	----
7. Lung Disease	----	----	2	4	3	----	3	----	----	----	----	1	2	----	----	13	3	1	----	5	1	1	2	----	31	----
8. Catarrh	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	1	----
III.—ORDER 4. Digestive Organs	3	----	8	7	4	----	13	3	----	2	5	----	10	----	----	29	8	----	7	16	11	11	9	19	67	----
1. Gastritis	----	----	1	1	----	----	3	----	----	----	1	----	----	----	----	1	----	----	1	----	1	----	----	2	3	----
2. Enteritis	----	----	5	2	----	----	6	2	----	2	2	----	4	----	----	14	3	----	5	5	6	4	3	7	31	----
3. Peritonitis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	2	1	----
4. Ascites	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----
5 Ulceration of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----
6. Hernia	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	1	----	1	1	1	----	----
7. Obstruction of Bowels	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----
8. Intussusception	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES.—1877.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
9. Stricture of Intestines	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
11. Stomach Diseases	----	----	----	1	1	----	----	----	----	----	1	----	2	----	----	7	1	----	1	2	1	3	3	2	4	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----
14. Jaundice	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	1	----	----	----	2	----	----	----	----	4	----
15. Liver Disease	3	----	1	1	----	----	2	1	----	----	1	----	3	----	----	4	2	----	----	4	2	2	1	4	13	----
16. Spleen Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	----	----	----	1	2	----	1	----	----	----	----	----	----	----	----	2	----	----	----	----	1	1	----	----	9	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	----	----	1	2	----	1	8	2	----	----	2	----	2	----	----	4	4	----	5	1	3	3	5	10	10	1
1. Nephritis	----	----	----	2	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----	1	1	----	----	----	----
2. Ischuria	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	1	1	----	1	----	----	----	3	3	6	----
4. Diabetes	----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	----	1	----	1	----	----	1	----	1	1	----
5. Calculus (Gravel, etc.)	----	----	1	----	----	----	----	1	----	----	1	----	----	----	----	1	1	----	----	----	----	1	2	----	----	----
6. Cystitis	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	1	1	1	----	----	2	----	----
7. Kidney Diseases	----	----	----	----	----	----	4	----	----	----	1	----	2	----	----	1	----	----	2	----	1	----	----	4	3	1
III.—ORDER 6. Generative Organs	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	1	----	1	----	1	1	1	----	1	----	----

1. Ovarian Dropsy	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Ovarian Tumor	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----
2. Diseases of Uterus	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	1	----	----	----	1	1	1	----	----	----	----
III.—Order 7. Organs of Locomotion	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	2	1	----
1. Arthritis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Joint Diseases	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	2	1	----
III.—Order 8. Integumentary System	1	----	4	----	3	----	2	1	----	----	2	----	----	----	----	2	----	----	----	2	1	1	1	----	17	----
1. Phlegmon	----	----	2	----	1	----	----	1	----	----	2	----	----	----	----	1	----	----	----	----	1	----	----	----	6	----
2. Ulcer	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
3. Skin Diseases	1	----	2	----	2	----	2	----	----	----	----	----	----	----	----	1	----	----	----	2	----	1	1	----	10	----
Class IV.—Developmental Diseases	3	1	28	14	14	3	29	14	----	5	13	2	43	3	2	82	18	----	13	36	23	26	21	43	263	3
IV.—Order 1. Dev. Diseases of Children	2	----	15	7	10	----	11	8	----	3	7	1	36	----	----	59	13	----	4	15	10	15	7	19	141	3
1. Still-born	1	----	12	7	8	----	10	7	----	3	7	1	32	----	----	43	12	----	3	15	10	14	7	16	94	2
2. Infantile	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	2	1	----	----	----	----	----	----	1	1	----
2. Premature Birth	----	----	2	----	----	----	----	----	----	----	----	----	2	----	----	9	----	----	----	----	----	1	----	----	8	----
3. Cyanosis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	1	1
4. Spina Bifida	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5. Other Malformations	----	----	1	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6. Teething	1	----	----	----	2	----	1	----	----	----	----	----	----	----	----	5	----	----	----	----	----	----	----	2	37	----
7. Injury at Birth	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
IV.—Order 2. Dev. Diseases of Women	----	----	4	3	1	1	1	2	----	----	1	1	----	3	2	5	----	----	3	4	1	7	4	2	27	----
1. Dysmenorrhea	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
1. Turn of Life	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Childbirth	----	----	4	3	1	1	1	2	----	----	1	1	----	2	2	3	----	----	3	4	1	6	4	2	26	----
2. Abortion	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	1	----
2. Uterine Hemorrhage	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1877.	COUNTIES.—1877.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old People	1	1	9	4	3	2	17	4	....	2	5	....	7	....	....	18	5	....	6	17	12	4	10	22	95	....
1. Old Age	1	1	9	4	3	2	17	4	....	2	5	....	7	....	....	18	5	....	6	17	12	4	10	22	95	....
IV.—ORDER 4. Diseases of Nutrition	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Atrophy and Debility	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS V.—VIOLENT DEATHS	9	....	12	2	9	5	11	6	....	....	6	1	20	1	....	25	3	1	3	17	9	11	11	15	83	1
V.—ORDER 1. Accident or Negligence	8	....	6	1	7	2	3	5	....	....	4	....	9	1	....	12	2	1	3	15	3	7	8	7	47	1
1. Fractures and Contusions	....	....	1	....	2	....	1	....	....	....	....	....	3	....	....	2	....	....	1	....	1	1	....	3	19	1
2. Wounds	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	1	1	....	....
3. Burns and Scalds	2	....	4	....	....	1	1	....	....	....	....	....	2	....	....	2	....	....	....	3	....	1	....	3	2	....
4. Poison	....	....	....	....	....	1	....	2	....	....	....	....	....	....	....	....	1	....	1	1	....	2	3	....	4	....
5. Drowning	4	....	1	....	4	....	....	2	....	....	1	....	1	1	....	4	1	1	....	8	1	....	3	....	16	....
6. Suffocation	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	2	....
7. Otherwise	1	....	....	1	1	....	....	1	....	....	2	....	3	....	....	3	....	....	1	3	....	3	1	....	4	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	1	....	1	....	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1	1	....
1. Murder	1	....	1	....	....	....	2	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	....	....	....	....	....	....	1	....	....	....	....	....	5	....	....	4	....	....	....	....	3	1	1	4	14	....
1. Wounds	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	....

2. Poison	----		--	----		----	1	---	----		----	----	----	1	--		----	3	--	-	1	1	----
3. Drowning	----		--	----		----	----	---	----		----	----	----	--	--		----	--	--	-	--	1	----
4. Hanging	----		--	----		----	----	---	----		----	----	----	1	--		----	--	--	1	--	----	----
5. Otherwise and not Specified	----		--	----		----	----	---	----		5	----	----	2	--		----	--	1	-	--	12	----
V.—ORDER 5. Execution	----		--	----		----	----	---	----		----	----	----	--	--		----	--	--	-	--	----	----
1. Hanging	----		--	----		----	----	---	----		----	----	----	--	--		----	--	--	-	--	----	----
V.—ORDER 6. Violent Deaths not Included above	----		5	1	2	3	5	1	----		5	----	----	9	1		2	3	3	2	3	21	----
UNCLASSIFIED	1		2	----		----	3	---	----		1	----	----	6	1		1	--	1	1	2	23	----
1. Hemorrhage	----		1	----		----	----	---	----		1	----	----	2	--		----	--	--	1	--	4	----
2. Inflammation	1		--	----		----	2	---	----		----	----	----	3	1		1	--	1	-	2	16	----
3. Otherwise	----		1	----		----	1	---	----		----	----	----	1	--		----	--	--	-	--	3	----
Causes not Specified	5	3	40	25	8	8	21	9	2	13	25	8	----	70	28	23	50	13	11	16	27	281	3

TABLE XVII.—*Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1877; also, by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1872 to 1877, inclusive, (Still-births included). The foot-notes in this Table refer only to the Year for which the Report is made, unless otherwise stated.*

DEATHS FROM ALL CAUSES.

SEX.	Months, 1877.													Years.					Ages in Periods of Years.—1877.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	766	843	990	978	976	875	1040	1559	1400	1221	1060	1155	56	12919	12576	11900	12500	14258	5207	718	387	516	572	549	459	412	392	402	362	387	477	517	462	433	436	231
Males	408	427	525	542	495	466	565	819	746	634	550	623	27	6927	6756	6448	6665	7651	2855	380	188	218	258	233	203	198	188	224	201	212	257	287	292	264	246	123
Females	355	415	457	435	475	407	471	738	648	585	500	527	27	6040	5761	5484	5804	6590	2311	337	199	298	314	316	256	214	204	178	161	175	220	230	170	169	190	98
Unknown	3	1	8	1	6	2	4	2	6	2	10	5	2	52	59	58	31	17	41	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.											Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Abortion, Attempted	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	1	--	--	1	--	--	1	3	--	--	6	7	10	6	9	10	Abortion	--	--	--	1	1	1	--	--	2	--	--	--	--	--	--	--	--	1
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Abscess of Abdomen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Abscess of Ankle	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*	--	1	Abscess of Armpit and Thigh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	Abscess under Arm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--	1	Abscess of Back	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	Abscess of Bladder	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--
Total	1	--	--	--	--	--	2	--	--	--	--	2	--	5	2	1	--	--	3	Abscess of Bowels	1	--	1	--	1	--	2	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	1	--	1	2	--	--	--	3	" " "	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Females	1	--	--	--	--	--	2	--	--	--	--	1	--	4	--	1	--	--	--	" " "	1	--	1	--	1	--	1	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--	1	--	2	Abscess of Brain	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Abscess in Face or Cheek	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Abscess, Femoral	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	Abscess of Groin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	1	--	--	--	--	1	1	--	3	2	--	Abscess of Head	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	1	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	1	1	Abscess of Hip	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
males									1	1				2					1	Abscess of Hip		1							1								
		1												1						Abscess, Internal														1			
																			1	Abscess near right Kidney																	
																			1	Abscess of Kidneys																	
																		1		" " "																	
															1					Abscess of Limb																	
																1				" " "																	
					1					1				2			1		1	Abscess, Lumbar					1		1									
																			1	" "																	
																1				Abscess of Neck																	
																			1	Abscess, Pelvic																	
															1		2			" "																	
															1					Abscess on Shoulder																	
			1		2			1		1	1			6	4	5				Abscess in Side					3	1			1				1			
			1		1					1	1			4	3	4				" " "					2				1				1			
					1			1						2	1	1				" " "					1	1											
																1		1		Abscess of Spine																	
										1				1						" " "															1		
																		1		Abscess of Spleen																	
															2	2				Abscess of Stomach																	
				1										1	1					" " "										1							

			..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	2	1	Abscess in Throat	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	1	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		2	..	2	1	1	1	2	..	3	1	1	..	15	6	7	18	17	28	Abscess	3	2	..	..	1	1	2	..	..	1	1	..	..	2	1	1	..	..
......	1	1	..	1	1	..	1	1	..	1	..	..	..	7	2	2	10	11	15	"	1	1	..	..	1	..	..	..	..	..	1	..	..	1	1	1	..	..
Females	..	1	..	1	..	1	..	1	..	2	1	1	..	8	4	5	8	6	13	"	2	1	..	..	..	1	2	..	..	1	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Albuminuria	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Albuminuria, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	1	..	..	2	....	....	....	....	....	Alcoholism	....	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Amaurosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	2	1	5	3	Amputation of Leg	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Amputation of Limb	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	2	Amputation	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	Anæmia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	2	1	2	....	2	"	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Aneurism of Aorta	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Aneurism of Heart	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	1	Aneurism	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	2	....	....	....	Angina Pectoris	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Total	7	5	3	11	8	5	5	9	7	12	5	8	..	85	107	89	63	81	70	Apoplexy	1	..	..	..	3	..	3	5	1	5	11	7	10	16	15	6	2	..
Males	4	3	..	8	5	3	4	5	6	9	4	5	..	56	61	51	45	49	43	"	....	..	..	..	2	..	2	3	1	1	9	2	6	12	13	4	1	..
Females	3	2	3	3	3	2	1	4	1	3	1	3	..	29	46	38	18	32	27	"	1	..	..	..	1	..	1	2	..	4	2	5	4	4	2	2	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Arm, Inflam. in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	3	1	2	2	2	2	..	2	4	3	..	24	23	20	20	21	25	Asthma	1	..	1	..	..	1	..	..	2	2	..	1	6	1	3	2	2	2
Males	..	1	2	1	1	1	2	1	..	1	3	3	..	16	11	12	11	13	14	"	1	..	1	..	..	1	..	..	1	1	..	1	3	..	3	1	1	2
Females	1	1	1	..	1	1	..	1	..	1	1	..	..	8	12	8	9	8	11	"	....	..	..	..	..	..	..	..	1	1	..	..	3	1	..	1	1	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males.....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Biliary Calculus.....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
.....	..	..	..	..	..	..	2	..	..	2	..	..	..	4	....	5	1	....	1	Birth, Injury at.....	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Birth,—Instrumental Delivery...	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	7	5	6	..	1	1	3	6	1	7	3	6	..	41	34	28	21	16	18	Birth, Premature.....	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
		4	3	..	1	1	..	3	..	4	1	4	..	20	17	13	10	19	10	" "	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			3	..	..	..	3	3	1	2	1	1	..	18	16	15	11	6	8	" "	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
			..	..	..	..	..	..	..	1	1	1	..	3	1	....	....	....	....	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
				..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	Bite of Insect.....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Bladder, Catarrh in.....	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	....	2	3	6	1	2	Bladder, Disease of.....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				..	3	1	1	1	1	..	3	1	..	11	6	14	7	9	6	Bladder, Inflam. of.....	....	..	..	..	..	..	..	..	2	1	1	1	..	1	3	1	1	..
				..	2	1	1	1	1	..	2	1	..	9	5	11	6	8	6	" " "	....	..	..	..	..	..	..	..	1	1	..	1	..	1	3	1	1	..
				..	1	..	..	..	..	..	1	..	..	2	1	3	1	1	....	" " "	....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
			..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Bladder, Paral. of.....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		1	..	..	..	..	..	1	..	1	..	..	..	3	4	2	1	....	....	Blood Poison.....	1	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	1	....	....	" "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..s..	..	1	..	..	..	..	..	1	..	..	..	..	..	2	3	1	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
...ales..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Bones, Disease of.....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	..	..	1	5	1	1	1	4	6	1	2	1	..	23	22	19	28	15	15	Bowels, Consumption of.....	8	1	1	1	1	1	..	..	..	2	..	3	1	1	1	2	..	..

			1	2	..	..	..	..	2	..	..	1	..	6	10	11	18	4	8	Bowels, Consumption of	3	..	1	..	..	..	..	..	1	..	..	..	..	..	1	..	..
			..	3	1	1	1	4	4	1	2	..	..	17	12	8	10	11	7	" " "	5	1	..	1	1	1	1	..	..	..	1	..	3	1	1	1	1	..
			2	6	1	..	3	5	6	7	1	3	..	39	36	41	40	57	34	Bowels, Disease of	19	1	2	2	1	1	1	1	..	1	3	..	1	1	1	..	3
			1	3	1	..	3	1	4	6	..	2	..	23	22	21	24	31	20	" " "	11	..	1	2	..	1	..	1	..	..	1	3	..	..	..	1	..	2
	4	2	1	3	..	..	..	4	2	1	1	1	..	16	14	19	16	26	14	" " "	8	1	1	..	1	..	1	..	1	..	..	..	..	1	1	..	..	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Bowels, Impaction of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	14	14	18	7	17	12	19	35	32	24	16	17	1	226	239	218	208	286	234	Bowels, Inflam. of	78	12	22	15	10	13	13	9	6	3	9	10	10	3	4	3	3	3
Males	7	11	12	2	10	7	9	22	19	9	10	11	..	129	126	118	117	152	105	" " "	46	6	12	10	6	5	8	3	5	2	6	6	6	3	1	2	2	..
Females	7	3	6	5	7	5	10	13	13	15	6	6	1	97	111	100	91	134	129	" " "	32	6	10	5	4	8	5	6	1	1	3	4	4	..	3	1	1	3
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	..	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	..	..	..	..	1	..	..	..	2	2	1	....	....	....	Bowels,—Intussusception	....	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1	....	....	....	" "	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	" "	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	Bowels, Neuralgia of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	1	6	3	Bowels, Obstruction of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	2	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	2	....	....	....	Bowels, Paral. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	1	....	....	....	Bowels, Perforation of	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	....	Bowels, Stricture of	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	1	..	..	..	2	4	5	3	3	1	Bowels, Ulceration of	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	3	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	2	....	Brain, Compression of	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	1	..	1	..	1	..	..	..	..	5	2	....	....	....	....	Brain, Concussion of	2	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Males	..	1	1	..	1	..	1	..	..	..	..	..	..	4	2	....	....	....	....	" " "	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Brain, Concussion of	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	9	9	10	9	12	6	16	19	24	17	8	13	1	153	175	106	145	178	192	Brain, Disease of	86	7	3	7	8	4	5	5	3	4	3	1	5	5	3	3	..	1
Males	5	4	4	7	4	3	11	9	14	10	5	3	..	79	101	48	79	97	110	" " "	48	5	1	2	1	1	2	4	1	2	..	1	3	4	2	2	..	..
Females	4	5	6	2	8	3	5	10	10	7	3	10	1	74	74	58	66	81	82	" " "	38	2	2	5	7	3	3	1	2	2	3	..	2	1	1	1	..	1
Total	..	..	..	..	..	2	..	..	1	..	..	1	..	4	....	....	....	....	....	Brain, Effusion of	....	1	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	2	..	..	..	..	..	..	..	2	....	....	....	....	....	" " "	....	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	1	..	2	....	....	....	....	....	" " "	....	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	23	18	16	23	20	20	30	42	41	17	23	17	1	291	275	232	261	333	330	Brain, Inflam. of	184	26	9	11	12	12	5	4	2	6	2	3	4	3	2	2	1	3
Males	11	9	11	12	14	11	14	22	21	11	10	8	..	154	148	132	144	195	182	" " "	99	14	5	4	4	6	1	4	1	4	1	1	3	2	1	2	..	2
Females	12	9	5	11	6	9	16	20	20	6	13	9	1	137	127	99	117	138	148	" " "	85	12	4	7	8	6	4	..	1	2	1	2	1	1	1	..	1	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Brain, Injury of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	..	..	..	..	1	..	2	3	4	3	....	2	Brain, Paralysis of	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	2	....	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	2	3	1	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Brain, Rupture of	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	2	2	1	1	2	2	6	5	1	2	..	29	30	29	15	19	17	Brain, Softening of	1	..	..	..	1	1	1	3	1	2	2	4	3	4	3	2	1	..
Males	1	3	2	2	1	1	..	1	4	4	1	2	..	22	23	22	12	12	8	" " "	1	..	..	..	1	1	..	2	..	1	2	4	2	3	2	2	1	..
Females	..	1	..	..	..	..	2	1	2	1	..	..	..	7	7	7	3	7	9	" " "	....	..	..	..	..	..	1	1	1	1	..	..	1	1	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Breast Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Breast, Inflam. of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	----	1	----	1	2	----	Bronchitis, Capillary	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	----	----	----	1	3	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	1	--	--	1	--	--	3	----	2	--	2	2	Bronchitis, Chronic	----	--	--	--	--	--	--	--	--	--	--	1	1	--	1	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	1	--	--	2	----	2	----	1	2	" "	----	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	1	--	--	--	--	--	1	----	----	----	1	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	--	--	2	2	1	8	5	--	39	42	41	32	18	23	Bronchitis	20	1	--	3	1	1	2	--	--	--	--	--	1	3	1	3	3	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	--	--	2	1	--	3	2	--	21	27	19	19	11	15	"	12	1	--	--	--	1	2	--	--	--	--	--	--	1	1	2	1	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	1	1	5	3	--	18	15	22	13	7	8	"	8	--	--	3	1	--	--	--	--	--	--	--	1	2	--	1	2	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Brutal Treatment	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Bullet in Brain	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	2	2	1	2	2	4	2	1	--	4	3	5	--	28	41	36	39	52	30	Burns[a]	13	3	4	1	1	1	2	1	1	--	--	--	--	--	--	1	--	--
Males	1	--	--	1	--	2	1	--	--	1	--	--	--	6	16	13	13	19	11	"	4	1	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	1	2	1	1	2	2	1	1	--	3	3	5	--	22	23	23	26	33	19	"	9	2	4	--	1	1	2	1	1	--	--	--	--	--	--	1	--	--
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	----	2	----	----	----	----	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	1	--	--	--	--	--	--	--	--	--	1	----	----	----	----	----	Calculus, Hepatic	----	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	1	----	Calculus, Renal	----	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Cancer, Lupus	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Cancerous Ossification of Stomach	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	16	13	23	19	17	24	36	23	25	19	26	24	--	265	241	202	188	171	130	Cancer	13	--	1	--	4	7	5	13	14	26	31	32	29	31	27	14	13	5
Males	6	6	11	8	8	7	20	9	11	9	14	15	--	124	118	72	84	75	56	"	7	--	1	--	2	2	2	5	3	7	10	12	15	17	21	8	9	3
Females	10	7	12	11	9	17	16	14	14	10	12	9	--	141	123	130	104	96	74	"	6	--	--	--	2	5	3	8	11	19	21	20	14	14	6	6	4	2
Total	--	1	1	1	--	--	1	4	9	8	3	2	--	30	39	35	31	49	59	Canker (Noma)	29	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Males	--	1	--	--	--	--	1	2	6	5	1	2	--	18	23	16	16	26	31	" "	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	1	1	--	--	--	2	3	3	2	--	--	12	16	19	15	23	28	" "	11	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
Females	--	--	1	--	--	--	--	--	--	--	--	--	--	1	----	----	----	----	----	Capsule, Renal	----	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--

a Includes 1 by "Pitch" and 1 by "Hot Lye."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																			
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Carbuncle on Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	Carbuncle on Neck	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	1	3	..	Carbuncle	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Cardialgia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Caries of Joint	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	11	10	17	21	16	15	16	20	24	23	27	20	2	222	222	215	182	223	177	Casualty	24	13	17	20	22	18	14	22	16	9	6	8	9	6	8	3	3	4
Males	9	7	14	19	13	15	15	17	22	20	22	20	2	195	157	195	155	186	153	"	18	8	15	18	22	16	14	2	15	9	6	7	7	5	6	2	2	4
Females	2	3	3	2	3	..	1	3	2	3	5	..	..	27	25	20	27	37	24	"	6	5	2	2	..	2	..	..	1	..	..	1	2	1	2	1	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Catarrh in Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	Catarrh, Intestinal	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Catarrh of Lungs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	1	1	..	..	..	..	1	..	..	..	4	8	3	2	5	5	Catarrh	1	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	4	3	1	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Chest Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chest, Inflam. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	1	Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

					..	..	..	....	..	..	..	..	..	....	4	1	1	1	1	Chicken-pox	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
					18	15	12	6	10	11	11	11	2	151	141	173	197	254	218	Childbirth	....	..	..	14	29	29	33	18	20	2	..	..	..	..	..	..	..	6
					..	..	..	....	..	..	..	..	..	....	....	2	....	....	....	Childbirth, Inflam. after	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
					5	7	11	8	11	6	2	9	..	75	55	62	78	113	130	Chills, Congestive	3	3	5	2	..	4	1	2	2	3	4	4	3	2	1	4	3	1
	.	3	2	5	2	5	7	4	3	4	1	2	..	39	27	27	44	49	63	" "	18	3	1	1	.	1	..	..	1	2	2	3	2	..	..	2	3	..
Males ..	1	2	..	2	3	2	4	4	8	2	1	7	..	36	28	35	34	64	67	" "	13	..	4	1	..	3	1	2	1	1	2	1	1	2	1	2	..	1
Females ..	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	....	1	....	Chills, Nervous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	1	..	..	..	..	1	....	....	....	....	....	Chlorine	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	..	....	..	..	..	..	..	2	....	....	....	3	....	Chloroform	....	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	....	..	..	..	..	..	1	....	....	....	2	....	"	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females ..	..	..	..	..	1	..	..	....	..	..	..	..	..	1	....	....	....	1	....	"	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females ..	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	....	1	....	Chlorosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	....	1	..	..	..	..	2	4	6	4	1	4	Choked	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	1	..	..	..	..	1	2	5	2	1	4	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females ..	..	1	..	..	..	..	..	....	..	..	..	..	..	1	2	1	2	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	7	2	4	6	3	11	55	140	86	40	7	9	..	370	331	289	278	306	394	Cholera Infantum	358	7	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Males	4	2	2	5	2	7	27	80	50	16	5	5	..	205	179	157	163	179	221	" "	200	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Females ..	3	..	2	1	1	4	28	60	36	24	2	4	..	165	152	130	115	127	172	" "	158	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Unknown.	..	..	..	..	.	..	..	....	..	..	..	..	..	....	....	2	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	..	..	..	1	1	2	9	4	3	1	2	..	26	27	16	18	37	49	Cholera Morbus	13	1	2	..	..	..	1	..	..	..	1	1	2	3	1	1	..	..
Males	3	..	..	..	..	..	2	7	3	2	..	..	..	17	15	8	15	23	32	" "	8	.	2	..	..	..	1	..	..	..	1	1	2	..	1	1	..	..
Females ..	..	..	..	..	1	1	..	2	1	1	1	2	..	9	12	8	3	14	17	" "	5	1	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..
Total	..	..	..	..	..	..	3	7	4	..	1	..	..	15	12	2	6	9	9	Cholera .....*	9	1	..	..	1	..	..	1	1	..	..	..	1	..	1	..	..	..
Males	..	..	..	..	..	..	3	4	2	..	1	..	..	10	6	1	3	6	4	"	5	1	..	..	1	..	..	1	1	..	..	..	1	..	..	..	..	..
Females ..	..	..	..	..	..	..	..	3	2	..	..	..	..	5	6	1	3	3	5	"	4	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	....	..	..	..	1	..	1	2	1	3	....	3	Chorea	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Includes 1 "Black."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																			
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown
Females	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	1	...	5	1	Chorea	...	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	3	...	...	...	...	Cirrhosis of Liver.	...	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
Males	...	...	...	...	...	...	...	...	...	...	...	...	..	...	1	...	...	...	...	Cirrhosis	...	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	1	Cold in Head	...	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
	...	...	...	...	...	...	...	...	...	1	...	...	..	1	...	...	...	1	...	Cold on Lungs	1	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
	1	3	1	2	1	...	...	...	2	...	2	...	..	12	24	20	25	18	13	Cold[a]	3	1	1	1	...	1	1	1	..	..	..	1	..	..	1	..	..	1
		2	...	2	...	...	...	...	2	...	2	...	..	8	13	12	14	11	7	"	2	1	1	1	...	...	1	...	..	..	..	..	..	1	..	..	1
		1	1	...	1	...	...	...	...	...	...	...	..	4	11	8	11	7	6	"	1	..	..	...	...	1	...	1	..	..	..	1	..	..	..	..	..	..
			...	...	1	1	...	...	3	...	1	1	..	7	5	10	2	4	7	Colic, Bilious	2	..	..	...	...	1	1	...	..	..	..	1	2	..	..	..	..	..
			..	...	1	1	...	...	1	...	1	...	..	4	4	9	1	1	3	" "	1	..	..	...	...	1	1	...	..	..	..	1	..	..	..	..	..	..
			...	...	...	...	...	...	2	...	...	1	..	3	1	1	1	3	4	" "	1	..	..	...	...	...	...	...	..	..	..	..	2	..	..	..	..	..
			...	...	...	...	...	...	...	...	...	1	..	1	...	1	1	...	1	Colic, Painters	...	..	..	...	...	...	..	...	..	..	1	..	..	..	..	..	..	..
			...	1	1	...	...	1	...	...	...	...	..	4	5	8	5	6	2	Colic	2	1	..	...	...	...	...	...	..	..	1	..	..	..	..	..	..	..
			...	1	1	...	...	...	...	...	...	...	..	2	3	4	2	4	2	"	...	1	..	...	...	...	...	...	..	..	1	..	..	..	..	..	..	..
			...	...	...	...	...	1	...	...	...	...	..	2	2	4	3	2	...	"	2	..	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..
			...	1	...	1	...	...	...	...	...	...	..	2	...	...	...	1	...	Constipation	...	..	..	...	...	...	1	...	..	..	..	..	1	..	..	..	..	..
			...	1	...	...	...	...	...	...	...	...	..	1	...	...	...	1	...	"	...	..	..	...	...	...	1	...	..	..	..	..	..	..	..	..	..	..
			...	...	...	1	...	...	...	...	...	...	..	1	...	...	...	...	...	"	...	..	..	...	...	...	...	...	..	..	..	..	1	..	..	..	..	..
	0	147	164	166	145	106	147	126	124	128	153	8	1664	1590	1479	1392	1417	1467	Consumption	97	18	32	147	224	220	169	122	94	84	79	89	83	79	51	32	12	32
	8	62	85	75	63	48	55	63	45	51	73	2	726	700	708	656	671	720	"	47	6	9	39	86	79	74	54	40	45	45	46	38	49	31	19	6	13
	5	65	79	91	82	58	92	63	79	77	80	6	938	890	771	736	776	747	"	50	12	23	108	138	141	95	68	54	39	34	43	45	30	20	13	6	19

		17	11	12	15	9	17	19	12	12	15	14	1	165	185	164	144	156	145		136	9	1	2	3	2	1	1	1	1	1				1			6
		10	7	7	12	7	11	11	6	8	9	5	1	104	98	77	77	89	81		90	5		1	2	1				1					1			3
		7	4	5	3	2	6	8	6	4	6	9		61	87	87	67	67	64		46	4	1	1	1	1	1	1	1		1								3
								1	1	1	1			5						Cough	5																
								1		1				3						"	3																
									1		1			2						"	2																
																	1			Craniotomy																	
Total	3	5	1		1	1			2	2	3	1		19	21	11	10	6	10	Croup, Membranous	13	3	2									1					
Males	2	3	1		1				2		1			10	9	9	6	6	6	" "	7	2										1					
Females	1	2				1				2	2	1		9	12	2	4		4	" "	6	1	2														
Males																	2	1		Croup, Spasmodic																	
Females																		1		" "																	
Total	13	20	7	10	8	2	4	7	11	23	21	19		145	157	156	130	164	152	Croup	114	28			1								1				1
Males	9	13	3	4	4	1	3	4	9	12	13	10		85	96	93	65	95	86	"	65	18											1				1
Females	4	7	4	6	4	1	1	3	2	11	8	9		60	61	63	65	69	66	"	49	10			1												
Total	1				1	2				1				5	2		2			Cyanosis	5																
Males					1	1				1				3			1			"	3																
Females	1					1								2	2		1			"	2																
Total					2	1					2	2		7	3	4	2	2	2	Debility, Nervous						1		1	1	1	1	1		1			
Males					1	1					1	1		4	1	3	1			" "						1			1	1	1							
Females					1						1	1		3	2	1	1	2	2	" "								1				1		1				
Total	14	7	16	14	15	10	7	22	12	11	7	14	1	150	155	164	171	184	143	Debility	55	1	1	1	1	1	1	1			2	4	12	15	20	12	23	
Males	7	3	11	9	7	5	3	13	6	8	5	5	1	83	91	90	99	97	75	"	33	1		1		1		1			2	1	8	6	12	7	10	
Females	7	4	5	5	8	5	4	9	6	3	2	9		67	64	73	72	86	68	"	22		1		1		1					3	4	9	8	5	13	

* Includes 1 "After Childbirth."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Unknown.	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	.. 1	....	1	....	Debility	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]les	1	..	..	..	..	..	..	..	..	....	..	..	..	1	5	11	5	15	12	Delirium Tremens	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
[illegible]ales	..	..	..	..	..	..	..	..	..	....	..	..	..	....	1	....	1	1	....	" "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	....	....	1	Delirium	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]ns	..	..	..	..	..	..	..	..	..	....	..	..	..	....	2	....	1	....	....	Dementia, Chronic	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]ales	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	....	2	....	" "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	1	....	....	Dementia, Epileptic	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	1	....	....	....	....	Dementia, Melancholia	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	3	3	1	1	....	Dementia, Paralytic	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	1	....	2	....	....	" "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	1	..	..	..	..	....	..	..	..	1	....	....	2	....	....	Dementia	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	1	1	....	....	"	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	....	1	....	Diabetes Mellitus	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	..	..	5	6	..	4	2	3	4	4	5	1	1	39	19	36	27	30	35	Diabetes	....	3	1	3	1	2	3	3	4	2	2	..	3	6	5	1	..	..
[illegible]	1	4	5	4	..	3	1	2	4	2	3	..	1	30	12	26	17	18	27	"	....	2	..	1	1	2	2	3	3	1	2	..	3	4	5	1	..	..
[illegible]	..	..	..	1	..	1	1	1	..	2	2	1	..	9	7	10	10	12	8	"	....	1	1	2	..	..	1	..	1	1	..	..	..	2	..	..	..	..
[illegible]	..	..	2	..	2	1	1	5	6	....	2	..	..	21	15	27	15	27	29	Diarrhea, Chronic	3	1	1	1	..	2	1	..	1	5	..	3	..	1	2	..	..	..
[illegible]	..	..	..	..	..	..	1	3	5	....	2	..	..	12	11	17	10	19	19	" "	1	....	1	..	..	1	1	..	1	5	..	1	..	1	..	..	..	..
[illegible]	..	..	2	..	2	1	..	2	..	....	..	..	..	8	4	10	5	8	10	" "	1	1	..	1	..	1	..	..	..	..	..	2	..	..	2	..	..	..
[illegible]	..	..	..	..	..	..	..	..	1	....	..	..	..	1	....	....	....	....	....	" "	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
[illegible]	3	1	6	5	22	54	91	40	25	7	4	1	269	289	256	365	356	408	Diarrhea	239	9	1	..	1	1	1	..	1	2	..	2	2	..	1	3	2	4

Males	2	2	..	5	3	13	23	52	23	11	3	3	..	140	159	145	268	189	240	Diarrhea	121	6	..	..	1	1	1	..	..	2	..	2	2	..	..	2	2	..
Females	2	1	1	1	2	9	31	39	23	14	4	1	..	128	128	111	157	167	167	"	118	3	1	..	..	..	..	..	1	..	..	..	..	..	1	1	..	3
Unknown	..	..	..	..	..	..	..	..	..	....	..	..	1	1	2	....	....	....	1	"	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	31	26	38	25	32	24	33	40	81	105	84	73	1	593	311	207	213	217	192	Diphtheria	252	210	86	20	6	7	2	2	1	1	..	..	..	2	1	..	..	3
Males	12	11	18	12	15	13	13	22	43	66	36	38	..	299	154	105	107	115	85	"	139	105	34	10	2	2	1	1	..	1	..	..	..	1	..	..	..	3
Females	19	15	20	13	17	11	20	18	38	39	48	35	1	294	157	102	106	102	107	"	113	105	52	10	4	5	1	1	1	..	..	..	..	1	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	1	4	....	2	Dropsy of Abdomen	....	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	....	..	..	..	....	2	2	5	6	2	" " "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	....	..	..	..	1	....	....	....	....	....	Dropsy of Bladder	....	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Total	..	..	..	..	1	..	..	2	..	....	..	..	..	3	4	6	....	....	....	Dropsy of Bowels	....	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	2	..	....	..	..	..	2	2	1	....	....	....	" " "	....	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	....	..	..	..	1	2	5	....	....	....	" " "	....	....	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..
Total	3	7	5	3	3	3	4	7	2	4	4	8	..	53	62	54	51	76	69	Dropsy of Brain	47	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Males	..	5	3	..	2	1	3	3	2	2	2	4	..	27	31	31	24	46	30	" " "	23	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	3	2	2	3	1	2	1	4	..	2	2	4	..	26	31	23	27	30	39	" " "	24	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Total	1	1	..	1	2	..	..	2	1	....	..	2	..	10	7	18	7	18	11	Dropsy of Chest	....	....	..	1	..	1	..	..	1	1	..	1	..	3	2	..	..	..
Males	..	1	..	1	1	..	..	1	..	....	..	1	..	5	4	9	2	8	7	" " "	....	....	..	1	..	..	..	..	..	..	..	1	..	1	2	..	..	..
Females	1	..	..	..	1	..	..	1	1	....	..	1	..	5	3	9	5	10	4	" " "	....	....	..	..	..	1	..	..	1	1	..	..	..	2	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	1	2	....	Dropsy, General	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	....	..	..	..	1	1	....	2	....	1	" "	1	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	4	5	3	5	7	3	1	8	5	4	4	..	52	51	68	71	69	55	Dropsy of Heart	2	2	..	3	2	1	2	3	2	5	3	4	8	5	1	7	2	..
Males	1	4	2	3	3	3	1	..	4	2	..	..	..	23	32	36	30	30	25	" " "	2	1	..	1	..	..	1	2	1	1	2	..	2	3	1	5	1	..
Females	2	..	3	..	2	4	2	1	4	3	4	4	..	29	19	32	41	39	30	" " "	....	1	..	2	2	1	1	1	1	4	1	4	6	2	..	2	1	..
Males	..	..	..	..	..	..	..	1	..	....	..	..	..	1	1	1	1	....	1	Dropsy of Kidneys	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	1	....	....	" " "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	....	....	2	....	Dropsy of Limbs	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	....	..	..	..	....	....	1	....	....	....	" " "	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	Dropsy of Liver	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
"	--	--	--	--	1	--	--	--	1	--	--	--	--	2	--	--	--	--	--	" "	--	--	--	--	--	1	--	1	--	--	--	--	--	--	--	--	--
"	--	--	--	--	--	--	--	--	--	2	--	1	--	3	--	--	--	--	--	Dropsy of Spine	2	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
"	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
"	--	--	--	--	--	--	--	--	--	1	--	1	--	2	--	--	--	--	--	" " "	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
"	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	Dropsy, Uterine	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
	16	9	27	22	8	26	23	25	23	16	21	--	--	224	226	215	226	243	317	Dropsy (Unspecified)	16	5	--	5	5	7	9	8	12	16	15	11	21	31	24	18	14	7
	7	4	8	8	3	17	10	14	9	3	11	--	--	98	101	105	104	112	98	" "	7	3	--	2	1	3	5	1	4	6	7	5	7	11	10	12	9	5
		5	19	14	5	9	13	11	14	13	10	--	--	126	125	110	122	131	119	" "	9	2	--	3	4	4	4	7	8	10	8	6	14	20	14	6	5	2
	--	1	1	4	4	--	--	3	2	--	--	--	--	16	30	17	21	16	22	Drowning, Accidental	3	2	3	2	2	2	1	--	--	--	--	1	--	--	--	--	--	--
	--	1	1	3	4	--	--	3	2	--	--	--	--	15	24	13	21	16	20	" "	2	2	3	2	2	2	1	--	--	--	--	1	--	--	--	--	--	--
	--	--	--	1	--	--	--	--	--	--	--	--	--	1	6	4	--	--	2	" "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	3	6	5	17	19	16	7	5	2	4	1	--	87	142	91	95	91	68	Drowning	14	18	16	11	8	4	2	3	1	--	2	2	2	1	1	--	--	2
	--	3	5	5	16	15	15	6	5	1	4	1	--	77	124	79	84	83	62	"	11	16	15	9	7	4	2	3	1	--	2	1	2	1	1	--	--	2
	--	--	1	--	1	4	1	1	--	1	--	--	--	10	18	12	11	8	6	"	3	2	1	2	1	--	--	--	--	--	--	1	--	--	--	--	--	--
	--	--	--	--	--	--	--	2	1	1	1	--	--	5	--	--	--	--	--	Dysentery, Chronic	--	--	--	--	1	--	--	--	--	1	--	--	--	1	2	--	--	--
	--	--	--	--	--	--	--	1	1	--	--	--	--	2	--	--	--	--	--	" "	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--
	--	--	--	--	--	--	--	1	--	1	1	--	--	3	--	--	--	--	--	" "	--	--	--	--	--	--	--	--	--	1	--	--	--	1	1	--	--	--
	2	4	2	5	8	22	77	68	15	8	4	--	--	216	195	162	304	319	456	Dysentery	176	7	1	3	1	--	1	2	1	2	2	2	1	5	2	5	5	--
	1	1	1	1	5	10	38	32	10	3	3	--	--	106	106	77	161	168	246	"	88	5	--	--	1	--	--	1	1	--	1	2	--	3	1	1	2	--
	1	3	1	4	3	12	39	36	5	5	1	--	--	110	89	85	143	150	210	"	88	2	1	3	--	--	1	1	--	2	1	--	1	2	1	4	3	--

[illegible]	[illegible]	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Dysentery	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	--	-*	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Dysmenorrhea	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
[illegible]	[illegible]	--	1	1	1	--	1	1	1	--	--	3	--	9	15	18	16	21	16	Dyspepsia	----	--	--	--	--	1	1	--	1	--	--	1	2	2	--	1	--	--
[illegible]	[illegible]	--	1	1	1	--	--	1	1	--	--	2	--	7	10	13	13	11	11	"	----	--	--	--	--	--	1	--	1	--	--	1	1	2	--	1	--	--
[illegible]	[illegible]	--	--	--	--	--	1	--	--	--	--	1	--	2	5	5	3	10	5	"	----	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--
[illegible]	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Earache	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ales	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	----	1	Ear, Swelling of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Eating Dried Apples	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	----	----	----	----	----	Eczema	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Elephantiasis in the Limbs	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	1	--	--	--	--	--	-	--	1	----	---	----	----	----	Embolism of Brain	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	1	----	Embolism	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	2	2	1	1	1	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	1	--	--	--	1	----	----	----	----	----	Emphysema	----	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--
Total	1	4	--	2	3	2	4	5	5	1	4	4	--	35	31	31	30	33	28	Epilepsy	4	1	1	1	8	2	3	3	2	1	1	.	1	1	3	3	--	--
Males	1	1	--	--	1	2	2	4	3	--	2	2	--	18	14	17	22	20	17	"	3	1	1	--	3	--	1	1	1	--	--	--	1	1	2	3	--	--
Females	--	3	--	2	2	--	2	1	2	1	2	2	--	17	17	14	8	13	11	"	1	--	--	1	5	2	2	2	1	1	1	--	--	--	1	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	----	----	----	----	----	Eruption on Back	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Erysipelas in Bowels	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	1	--	--	--	--	--	1	----	----	----	----	----	Erysipelas in Throat	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Total	3	6	7	8	9	5	6	7	6	2	3	6	--	68	86	107	104	158	150	Erysipelas[a]	21	2	2	4	3	--	4	5	--	5	3	1	3	4	3	3	5	--
Males	1	4	2	3	5	3	3	2	3	1	2	2	--	31	55	64	56	96	87	"	5	1	1	1	2	--	1	4	--	3	2	1	2	1	2	2	3	--
Females	2	2	5	5	4	2	3	5	3	1	1	4	--	37	31	43	48	62	63	"	16	1	1	3	1	--	3	1	--	2	1	--	1	3	1	1	2	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	5	----	----	2	Explosion of Boiler	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Explosion of Kerosene	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

[a] Includes 6 "Black."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Explosion of Kerosene	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	11	9	....	Explosion	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Exposure in Army	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	1	..	..	1	..	..	..	..	1	1	..	..	..	4	1	....	1	1	1	Exposure	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	1
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	1	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	3	..	3	2	1	1	..	1	..	3	2	6	..	22	17	21	18	29	21	Falling Tree	....	..	2	4	2	4	3	..	1	..	1	1	2	1	..	..	..	1
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	1	..	4	1	5	7	10	2	3	6	..	39	52	45	77	51	66	Fever, Bilious	6	2	2	1	3	2	1	1	..	1	6	4	3	..	2	3	1	1
"	..	..	1	..	2	..	4	4	2	1	1	3	..	18	27	23	38	28	36	" "	3	..	1	..	2	1	..	1	..	..	4	2	1	..	1	1	1	..
"	..	..	..	..	2	1	1	3	8	1	2	3	..	21	25	22	39	23	30	" "	3	2	1	1	1	1	1	..	..	1	2	2	2	..	1	2	..	1
"	..	..	1	1	..	..	..	..	..	..	..	..	..	4	1	1	3	1	2	Fever, Catarrhal	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
"	..	..	..	1	..	..	..	..	..	..	..	..	..	3	1	....	3	....	1	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
"	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	1	....	1	1	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	1	..	1	..	..	..	2	4	....	2	....	6	Fever, Congestive	....	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	....	1	5	3	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	1	Fever, Continued	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	2	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fever, Continued, Relapsing	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	2	2	1	....	Fever, Gastric	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	..	1	..	..	..	..	..	..	1	..	..	..	..	2	3	2	....	2	5	Fever, Gastric	....	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Fever, Hepatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	1	4	1	Fever, Inflammatory	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	3	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	5	3	3	3	4	2	7	18	4	..	3	..	53	36	46	62	73	60	Fever, Intermittent*	33	4	1	2	..	2	2	1	2	1	..	..	..	1	1	1	1	1
Males	1	2	1	2	2	3	1	5	7	3	..	3	..	30	16	17	24	33	29	" "	18	2	..	..	..	2	2	1	2	1	..	..	..	..	1	..	1	..
Females	..	3	2	1	1	1	1	2	11	1	..	..	..	23	20	29	38	40	31	" "	15	2	1	2	..	..	..	..	..	..	..	..	..	1	..	1	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	..	1	Fever, Lead or Painter's	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	..	..	..	1	..	1	1	2	..	7	4	4	....	....	....	Fever, Malarial	3	..	..	1	..	..	..	..	1	1	..	..	..	..	1	..	..	..
Males	..	..	1	..	..	..	..	1	..	1	..	1	..	4	1	....	....	....	....	" "	1	..	..	1	..	..	..	..	..	1	..	..	..	..	1	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	1	1	..	3	3	4	....	....	....	" "	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	2	....	1	Fever, Milk	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	6	2	2	3	6	Fever, Nervous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	1	1	..	..	..	3	3	3	1	2	3	" "	....	..	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..
Total	..	..	..	..	..	2	2	..	1	1	..	..	..	6	13	4	4	12	16	Fever, Remittent	3	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..
Males	..	..	..	..	..	1	2	..	..	1	..	..	..	4	7	4	3	5	7	" "	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	1	..	..	..	..	2	6	....	1	7	9	" "	....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..
Total	..	..	..	1	..	2	..	..	..	..	1	..	..	4	7	6	9	7	9	Fever, Rheumatic	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	2	..	..	..	..	..	..	..	2	3	3	6	3	5	" "	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	1	..	..	2	4	3	3	4	4	" "	....	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Fever, Scrofulous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Fever, Septic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	2	1	..	..	..	..	..	..	..	..	..	..	4	4	4	7	4	2	Fever-sore	....	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	3	2	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	2	4	6	6	8	2	12	8	8	4	5	..	73	73	74	89	428	112	Fever, Spinal	36	11	7	8	2	1	2	1	..	1	..	..	2	..	..	1	..	1
Males	6	1	1	2	3	4	1	6	3	2	4	2	..	35	35	40	43	237	60	" "	18	6	2	3	2	..	1	..	..	1	..	..	..	..	..	1	..	1

* Includes 10 from "Worm Fits", and 2 from "Worm Fever."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	2	1	3	4	3	4	1	6	5	6	..	3	..	38	38	34	46	191	52	Fever, Spinal	18	5	5	5	..	1	1	1	..	..	..	..	2	..	..	..	..	..
Total	..	..	..	1	..	..	..	1	..	1	..	1	..	4	1	4	6	66	109	Fever, Spotted	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	1	..	2	1	1	5	36	70	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	1	..	..	..	2	....	3	1	30	39	" "	....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	14	13	25	18	24	9	18	54	83	85	58	43	2	446	426	433	611	678	621	Fever, Typhoid	51	34	29	64	46	37	16	14	26	24	20	11	19	15	14	7	6	13
Males	8	5	10	11	11	5	11	29	44	44	32	22	2	234	233	232	317	385	341	" "	28	17	13	28	26	22	8	7	18	12	7	5	12	5	7	6	2	11
Females	6	8	15	7	13	4	7	25	39	41	26	21	..	212	193	201	294	293	280	" "	23	17	16	36	20	15	8	7	8	12	13	6	7	10	7	1	4	2
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fever, Typhoid Rheum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	1	..	1	1	1	..	4	6	....	....	7	....	Fever, Typho-malarial	....	1	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	....	....	2	....	" " "	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	1	1	..	3	5	....	....	5	....	" " "	....	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
Total	2	..	..	1	1	4	3	6	6	1	3	2	..	29	11	14	16	16	29	Fever, Typhus	4	5	2	3	4	1	2	1	1	1	1	2	..	1	1	..	..	..
Males	2	..	..	..	1	3	..	..	4	1	2	..	..	13	7	6	12	4	12	" "	2	1	1	..	3	1	1	..	..	1	1	1	..	1	..	..	..	..
Females	..	..	..	1	..	1	3	6	2	..	1	2	..	16	4	8	4	12	17	" "	2	4	1	3	1	..	1	1	1	..	..	1	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Fever, Urinary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	Fever, Yellow	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	1	4	1	6	5	3	14	4	5	3	6	..	56	96	75	97	133	126	Fever (Unspecified)	22	..	3	2	1	2	1	5	2	1	2	1	4	5	2	2	1	..
Males	2	..	2	..	4	1	2	5	4	2	..	2	..	24	52	30	51	68	70	" "	9	..	..	1	1	..	..	2	..	..	..	..	3	3	2	2	1	..
Females	2	1	2	1	2	4	1	9	..	3	3	4	..	32	44	45	46	65	56	" "	13	..	3	1	..	2	1	3	2	1	2	1	1	2	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fistula in Ano	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Fistula, Recto-cystic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	Fistula	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Fits, Rheumatic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	Fits, Spinal	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	6	10	14	9	13	9	11	16	14	15	9	7	--	133	90	94	114	150	170	Fits (See Convulsions)	107	3	2	5	4	3	--	1	--	2	1	--	--	2	2	1	--	--
Males	3	6	9	5	6	5	10	12	5	7	4	3	--	75	51	54	65	94	96	" " "	63	1	2	1	1	2	--	1	--	1	1	--	--	1	1	--	--	--
Females	3	4	5	4	7	4	1	4	9	8	5	4	--	58	39	40	49	56	74	" " "	44	2	--	4	3	1	--	--	--	1	--	--	--	1	1	1	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Foot, Inflam. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Foul Air in Well	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	"Found Hanging"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	1	Fracture of Arm	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Fracture of Clavicle	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	1	--	--	--	1	1	--	--	1	--	--	4	3	2	--	2	--	Fracture of Hip	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	--	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Females	--	--	1	--	--	--	--	1	--	--	1	--	--	3	3	1	--	2	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Fracture of Knee	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	1	--	--	2	2	4	3	2	1	Fracture of Leg	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	1	--	--	--	--	1	--	--	--	--	2	--	--	--	--	--	Fracture of Limb	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--
Males	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	" " "	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
Males	1	1	--	--	--	--	--	--	1	--	1	--	--	4	--	1	--	--	--	Fracture of Neck	--	--	1	--	--	1	--	--	--	--	--	--	1	1	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	Fracture of Pelvis	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	1	--	--	--	--	--	--	--	--	--	--	--	1	3	3	5	1	2	Fracture of Skull	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	" " "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	2	2	Fracture of Spine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--	1	--	1	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Fracture of Thigh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	....	....	Fracture	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	1	2	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	4	4	4	2	3	Freezing	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	....	....	....	Fright	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Frozen Leg	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Fungus Hæmatodes	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Gall, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Gall-stone, Passage of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	..	1	..	1	..	1	..	4	1	....	4	1	1	Gall-stone	....	..	..	..	..	..	..	..	1	..	1	..	..	2	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	1	..	2	1	....	3	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	1	..	..	..	2	....	....	1	1	1	"	....	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Gangrene, Senile	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Total	1	..	1	1	3	1	..	..	2	1	2	..	..	12	6	4	7	8	11	Gangrene	1	..	..	2	..	..	..	..	1	1	..	..	1	1	1	1	3	..
Males	1	..	1	..	2	1	..	..	1	1	2	..	..	9	5	3	5	4	9	"	....	..	..	2	..	..	..	..	..	1	..	..	1	..	1	1	3	..
Females	..	..	..	1	1	..	..	..	1	..	..	..	..	3	1	1	2	4	2	"	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Gastralgia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Glanders	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"Glands"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	--	--	--	--	--	1	--	--	--	--	--	--	--	1	----	----	----	----	1	Goitre	----	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	1	--	--	--	1	----	----	----	----	----	Gonorrhea	----	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Gout, "Rheumatic"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	----	----	Gout	----	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	1	1	--	--	2	2	1	--	1	2	1	5	--	16	31	20	18	21	22	Gravel	----	--	--	--	--	--	--	--	--	1	2	3	4	2	3	--	1
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	2	1	1	4	----	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	1	--	2	--	1	--	--	1	--	5	16	11	18	6	22	Gun-shot	----	1	--	1	1	1	--	1	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	3	----	----	1	1	"	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	--	--	4	1	4	2	1	1	2	1	--	--	17	15	17	9	13	17	Hæmoptysis	2	--	1	--	3	1	1	1	2	1	1	--	3	--	1	--	--	--
Males	--	--	--	3	1	3	2	--	1	2	1	--	--	13	11	13	5	5	14	"	1	--	--	--	3	1	1	--	2	1	1	--	3	--	--	--	--	--
Females	1	--	--	1	--	1	--	1	--	--	--	--	-	4	4	4	4	8	3	"	1	--	1	--	--	--	--	1	--	--	--	--	--	1	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	----	----	----	----	----	Hay Fever	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	----	2	----	----	2	----	Headache	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	1	--	1	1	1	--	4	----	----	----	1	----	Head Disease	3	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	1	--	--	2	----	----	----	1	----	" "	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	1	--	1	--	2	----	----	----	----	----	" "	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	----	1	1	----	Head, Inflam. in	----	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	" " "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	----	1	----	Head, Injury to	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	1	----	----	----	----	Head, Neuralgia in	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	1	----	----	----	Heart, Cramps of	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	21	26	33	29	36	37	28	32	28	26	37	31	3	367	320	289	320	315	301	Heart Disease	33	8	9	11	16	14	20	27	16	26	21	18	38	39	28	21	16	6
Males	10	13	17	17	18	23	14	17	16	11	17	19	2	194	185	154	175	173	155	" "	21	2	5	4	6	5	6	15	7	15	11	13	19	15	21	16	9	4
Females	11	13	16	12	18	14	13	15	12	15	20	12	1	172	135	135	145	142	146	" "	12	6	4	7	10	9	14	12	9	11	10	5	19	24	7	5	7	1
Unknown	--	--	--	--	--	--	1	--	--	--	--	--	--	1	----	----	----	----	----	" "	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	----	----	----	1	----	----	Heart Disease, Organic	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

* Includes 3 "In Foot."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	..	1	1	..	1	..	1	..	1	1	..	..	7	1	2	2	3	....	Heart, Enlargement of	....	..	..	1	..	..	..	..	1	1	..	..	1	1	2	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	4	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	1	..	..	..	..	..	..	..	..	..	2	....	....	....	....	....	Heart, Fatty Degen. of	....	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	1	Heart, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	3	....	2	" " "	....	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	2	1	1	..	..	..	..	..	1	..	1	..	9	9	5	1	2	1	Heart, Neuralgia of	1	..	..	1	..	..	..	..	..	1	1	..	1	1	2	1	..
Males	1	1	1	..	..	..	..	..	..	..	..	..	..	3	5	3	1	2	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
Females	2	1	..	1	..	..	..	..	..	1	..	1	..	6	4	2	....	....	1	" " "	1	..	..	1	..	..	..	..	..	1	1	..	..	..	2	..	..
Males	..	..	1	..	..	..	..	..	..	1	..	..	..	2	1	1	1	1	....	Heart, Ossifi. of	....	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	1	..	..	..	..	..	..	..	2	2	3	4	4	2	Heart, Palpitation of	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	1	....	3	....	" " "	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	2	4	1	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	1	..	1	..	..	1	..	..	..	..	3	2	1	....	....	....	Heart, Paralysis of	....	..	..	..	..	..	..	..	..	..	1	..	2	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Heart, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	2	1	....	1	Heart, Valvular Dis. of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	....	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	1	..	..	..	1	..	..	1	..	..	5	3	3	6	6	3	Hemorrhage of Bowels	2	..	..	..	1	..	..	..	..	1	..	..	..	..	1	..	..	..
Males	..	1	1	1	..	..	..	1	..	..	..	..	..	4	3	2	5	3	2	" " "	2	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..

Females										1			1		1	1	3	1	" " "											1											
Males															5				Hemorrhage, Cerebral																							
Females																		1	Hemorrhage, Internal																							
Males								1					1						Hemorrhage of Kidneys																				1			
Females																1		1	Hemorrhage of Liver																							
Males														2	1			1	Hemorrhage from Nose																							
Females														1	1		1	1	" " "																							
Females															2				Hemorrhage, Puerperal																							
Males														1					Hemorrhage, Spinal																							
Total							1		1	1			4	2	2	2	2	2	Hemorrhage of Stomach			1	1				1				1										
Males									1				1	1	1	2	2	1	" " "				1																		
Females							1			1			3	1	1			1	" " "			1					1				1										
Total								2					2	1	1				Hemorrhage, Umbilical	2																						
Males								1					1	1	1				" "	1																					
Females								1					1						" "	1																					
Females		1			3								4	6	3	6	1	5	Hemorrhage, Uterine					1		2	1														
Total	2	2	2	1	1	3		2	2	2			18	13	12	5	27	11	Hemorrhage[a]	8			2	1		1		1	2		2									
Males	2	1	1			2		2					9	9	9	4	13	7	"	5			1	1		1					1									
Females		1	1	1	1	1			2	2			9	4	3	1	14	4	"	3			1					1	2		1									
Males														1		1		1	Hernia, Abdominal																					
Females																1	1		" "																					
Males													1						Hernia of Bowels																					
Males																	1		Hernia, Irreducible Scrotal																					
Females																	1		Hernia of Lungs																					
Males											1		1		1				Hernia, Umbilical	1																				
Females															1				" "																					

[a] "Bled to death in hands of surgeon", 1.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..	1	2	2	1	2	1	3	2	..	1	2	..	17	14	25	11	20	15	Hernia (Unspecified)	2	..	..	..	..	..	..	1	1		2	3	3	1	1	1	1	..
Males	..	..	2	2	1	2	1	3	..	..	1	1	..	13	10	18	7	14	11	" "	2	..	..	..	..	..	..	1	1		1	3	2	..	1	1	1	..
Females	..	1	..	..	..	..	..	..	2	..	..	1	..	4	4	7	4	6	4	" "	..	..	..	..	..	..	..	..	..		1	..	1	1	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	....	..	Hiccough	..	..	..	..	..	..	..	..	..		..	..	..	..	1	..	..	..
Total	..	..	1	..	1	1	..	..	..	..	1	..	..	4	7	9	3	3	2	Hip Disease	..	1	..	2	1	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	1	..	1	..	..	..	..	..	1	..	..	3	7	3	2	3	2	" "	..	..	..	2	1	..	..	..	..		..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	6	1	....	..	" "	..	1	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	....	..	Hip, Dislocation of	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	....	1	Hip, Injury of	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	....	..	" " "	..	..	..	..	..	..	..	..			..	1	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	....	..	Hip, Ulcerated	..	..	..	..	1	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	2	..	..	..	1	..	4	3	7	3	7	4	Homicide	..	..	1	..	1	..	..	1		..	..	..	..	..	..	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	2	1	..	"	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	....	1	"Hung Himself"	..	..	..	..	..	..	..	..		..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	..	..	....	..	Hydatis	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	1	....	..	Hydrocele	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	1	..	Hydrocephalus, Congenital	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Total	..	1	2	..	..	..	1	2	..	..	..	..	..	6	5	4	6	4	10	Hydrocephalus	6	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	2	..	..	..	1	2	..	..	..	..	..	5	3	3	3	2	7	"	5	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	2	1	3	2	3	"	1	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	1	..	....	1	Hydrophobia	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	Hysteria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	..	Iced-water, Drinking of	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Icterus, Infantum	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Impacted Faces	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	2	Inanition	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1	3	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	..	1	1	..	..	..	..	3	4	4	5	3	1	Indigestion	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	1	..	..	..	..	2	2	3	2	2	..	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2	1	3	1	1	"	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	..	1	..	1	..	..	..	3	6	1	3	..	..	Infanticide	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	3	..	2	..	..	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	1	..	..	..	..	..	2	3	..	1	..	..	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	2	2	2	1	3	4	2	3	3	..	24	36	44	25	56	79	Infantile	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	2	1	2	1	3	2	1	1	1	..	15	19	27	16	33	39	"	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	1	..	..	..	2	1	2	2	..	9	17	16	9	23	40	"	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	4	3	4	1	1	5	9	3	3	1	..	..	39	28	37	36	33	36	Inflammation	21	2	2	1	2	1	1	2	1	1	1	..	2	..	..	1	..	1	..
Males	3	2	2	1	..	..	2	6	2	2	1	..	..	21	10	22	20	15	20	"	12	1	1	1	..	1	..	1	1	1	..	..	1	..	..	1	..	..	..
Females	2	2	1	3	1	1	3	3	1	1	..	..	..	18	18	15	16	18	16	"	9	1	1	..	2	..	1	1	..	..	1	..	1	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	10	3	Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	2	1	2	3	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Injury, Internal	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	Injured Limb	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	Injury	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* "Supposed came from child-birth," 1.

TABLE XVII.—CONTINUED.—*Specified Causes of Death*

SEX.	Months, 1877.											Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	2	2	1	..	2	..	1	2	2	3	1	..	1	17	13	8	7	12	11	Insanity	..	..	..	..	..	1	1	2	3	2	2	1	1	2	..	2	..	..
Males	1	1	1	..	..	..	1	1	1	2	1	..	1	10	7	4	1	4	6	"	..	..	..	..	..	..	..	2	2	1	1	1	..	1	..	2	..	..
Females	1	1	..	..	2	..	..	1	1	1	..	..	..	7	6	4	6	8	5	"	..	..	..	..	..	1	1	..	1	1	1	..	1	1	..	..	..	..
Males	..	..	3	..	..	1	1	..	..	1	..	..	..	6	7	8	13	11	9	Intemperance	..	..	..	..	..	..	1	1	..	..	1	1	2	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	2	3	..	1	..	2	2	2	3	1	..	16	23	14	16	16	25	Jaundice	4	..	..	..	1	..	..	2	..	2	1	1	1	3	..	1	..	..
Males	..	..	1	1	..	1	..	2	2	1	3	..	..	11	15	7	7	7	13	"	3	..	..	..	1	..	..	1	..	2	..	1	..	2	..	1	..	..
Females	..	..	1	2	..	..	..	..	..	1	..	1	..	5	8	7	9	9	12	"	1	..	..	..	..	..	..	1	..	..	1	..	1	1	..	..	..	..
Total	3	2	5	1	4	2	3	3	3	3	2	3	1	35	22	11	14	16	11	Kidney, Bright's Disease of	..	2	..	..	..	3	3	1	2	6	3	4	..	5	5	1	..	..
Males	2	1	4	1	2	2	1	1	2	1	2	3	1	23	18	10	9	14	8	" " " "	..	1	..	..	..	1	1	..	1	6	..	4	..	5	4	..	..	..
Females	1	1	1	..	2	..	2	2	1	2	..	..	..	12	4	1	5	2	3	" " " "	..	1	..	..	..	2	2	1	1	..	3	..	..	..	1	1	..	..
Total	2	4	2	2	8	..	2	6	7	4	1	4	..	42	46	28	30	34	30	Kidney Disease	..	..	..	1	1	1	1	2	3	2	2	1	1	8	7	7	4	1
Males	1	3	2	2	7	..	2	5	5	4	1	3	..	35	37	25	20	25	23	" "	..	..	..	1	..	1	..	1	2	2	1	1	1	7	6	7	4	1
Females	1	1	..	..	1	..	..	1	2	..	..	1	..	7	9	3	10	9	7	" "	..	..	..	..	1	..	1	1	1	..	1	..	..	1	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Kidneys, Enlargement of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	..	..	3	..	..	1	1	2	..	1	..	10	10	12	16	15	15	Kidneys, Inflam. of	4	..	..	1	..	1	..	..	..	..	..	..	1	..	..	2	1	..
Males	1	..	..	..	3	..	..	1	1	1	..	1	..	8	6	11	12	11	9	" " "	3	..	..	..	..	1	..	..	..	..	..	..	1	..	..	2	1	..
Females	1	..	..	..	..	..	..	..	..	1	..	..	..	2	4	1	4	4	6	" " "	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	Kidneys, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Killed by Violence	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females																			1		Kine-pox																		
Males															1						Knee Joint, Dis. of																		
Males																1					Knee Joint, Inflam. in																		
Females																1					" " " "																		
Males																2	1				Laryngitis																		
Females																			2		"																		
Males				1											1						Lead Poison					1													
Males																2			1		Leg, Diseased																		
Males																	2	1	1		Leg, Inflam. of																		
Females																				1	" " "																		
Males																		1			Leg, Loss of																		
Females																			2		Leg, Ulcer in																		
Males																		1			Leprosy																		
Males								1							1						Lethargy												1						
Total					1	3	1								5	6	3	6	5	6	Lightning	1		2	1				1										
Males					1	1	1								3	6	2	5	2	5	"			1	1				1										
Females						2									2		1	1	3	1	"	1		1																
Males																				1	Limbs, Inflam. of																		
Males																	1				Limb, Ulcerated																		
Males											1				1						Liquor, Effects of			1															
Total			1	1				1	1	1		1			6	6	5	7	5	5	Liver, Abscess of	1								2	2							1
Males				1					1	1		1			4	4	3	2	4	5	" " "	1								2									1
Females			1					1							2	2	2	5	1		" " "										2								
Total	3	5	5	9	3	5	8	6	8	11	9	5			77	62	78	76	93	83	Liver Disease	8		5		4	4	3	5	8	6	4	8	6	8	5		2
Males		3	3	4	3	2	7	3	5	8	7				45	42	42	40	49	45	" "	6		3		1	2	1	1	7	3	3	5	3	6	2		1
Females	3	2	2	5		3	1	3	3	3	2	5			32	20	36	36	44	38	" "	2		2		3	2	2	4	1	3	1	3	3	2	3		1

a Includes 5 "Black."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..	..	2	..	1	1	2	1	..	3	..	1	..	11	12	6	6	4	6	Liver, Enlarg't of	3	1	..	..	1	1	1	..	..	1	2	1	..	..	..	..	..
Males	..	..	2	..	1	1	1	..	..	..	..	1	..	6	7	3	4	2	3	" " "	..	1	..	..	1	..	1	..	..	1	1	1	..	..	..	..	..
Females	..	..	..	..	..	..	1	1	..	3	..	..	..	5	5	3	2	2	3	" " "	3	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Liver, Fatty Degen. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	1	..	..	1	..	1	1	2	..	6	7	7	11	10	11	Liver, Inflam. of	1	..	1	..	..	..	..	1	..	..	1	1	..	1	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	1	2	..	4	2	2	7	5	7	" " "	1	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..
Females	..	..	..	..	..	..	1	..	1	..	..	..	..	2	5	5	4	5	4	" " "	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Liver, Rupture of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Liver, Scirrhus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Liver, Tumor on	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	2	..	..	..	..	..	..	2	2	..	..	..	1	Liver, Ulcer. of	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Loss of Eye	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	1	..	..	1	..	..	..	..	..	3	4	2	4	2	1	Lungs, Abscess of	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	3	2	3	2	..	" " "	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	1	..	..	..	..	..	..	..	..	2	1	..	1	..	1	" " "	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Lungs, Apoplexy of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	19	13	13	12	9	11	12	10	7	9	7	16	1	139	192	193	205	173	178	Lung Disease	61	3	1	1	9	1	7	3	6	5	7	3	5	5	6	8	4	2
Males	13	6	9	8	7	5	7	6	3	4	5	9	..	82	110	121	126	97	112	" "	30	2	1	..	4	1	4	2	4	3	7	1	5	5	3	6	4	..

Females	6	7	4	4	2	6	5	4	4	5	2	7	1	57	82	72	79	76	61	Lung Disease	33	1	..	1	5	..	3	1	2	2	..	2	..	..	3	2	..	2
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Lungs, Neuralgia of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Lupus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	1	..	1	1	..	1	..	..	5	9	4	3	6	12	Malformation	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	1	..	..	1	..	1	..	..	4	7	2	....	4	4	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	2	2	3	2	7	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Female	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	1	Mania, Puerperal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	5	....	....	1	....	Mania	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	3	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	5	..	..	1	4	..	11	8	3	8	10	3	Marasmus	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	2	..	..	..	3	..	6	5	1	3	6	2	"	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	3	..	..	1	1	..	5	3	2	5	4	1	"	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	Mastoid Bone, Dis. of	....	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	2	3	10	12	11	3	3	3	1	3	5	5	1	62	118	134	46	145	180	Measles	41	9	3	..	2	2	2	..	..	..	..	..	..	1	1	..	1
Males	1	1	4	5	3	1	1	3	1	2	5	5	1	33	56	61	21	109	76	"	26	4	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	2	6	7	8	2	2	..	..	1	..	..	..	29	62	73	25	136	104	"	15	5	3	..	1	..	2	..	..	..	..	..	..	1	1	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	Medicine taken by Mother	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Melancholia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	2	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Melanosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	1	..	..	..	..	2	....	....	....	....	....	Meningitis, Cerebral	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	2	1	..	..	1	2	2	..	..	..	9	14	36	33	145	79	Meningitis, Cerebro-spinal	6	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	4	20	14	89	41	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	2	1	..	..	1	2	2	..	..	..	8	10	16	19	56	38	" " "	5	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	2	3	6	3	2	6	1	4	2	1	5	4	..	39	30	38	50	166	47	Meningitis, Spinal	20	6	2	2	2	..	..	2	..	1	2	2	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	1	1	3	1	1	2	1	2	1	..	3	4	..	20	10	21	28	94	23	Meningitis, Spinal	10	3	..	1	2	..	..	2	..	1	..	1	..	..	..	....	....	..
Females	1	2	3	2	1	4	..	2	1	1	2	..	..	19	20	17	22	72	24	" "	10	3	2	1	..	..	..	..	..	..	2	1	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	2	1	....	3	Meningitis, Tubercular	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	2	..	1	1	..	1	2	1	1	1	..	1	..	11	5	14	5	7	13	Meningitis	4	1	2	1	..	..	2	1	..	..	..	..	..	..	....	....	..
Males	2	..	1	1	..	1	1	..	..	..	..	1	..	7	4	7	3	5	10	"	4	..	1	1	..	..	1	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	1	1	1	1	..	..	..	4	1	7	2	2	3	"	....	1	1	..	..	..	1	1	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Menstruation, Excessive	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	Metro-peritonitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Total	..	..	2	..	..	..	..	..	..	..	..	..	..	2	....	....	....	....	....	Midwifery, Bad	2	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	Milk Leg (Phleg. dolens)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	..	..	1	..	..	..	1	..	1	..	..	3	2	3	1	1	3	" " " "	....	..	..	..	..	..	..	1	1	..	..	..	1	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Mistake in Medicine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	Mortification	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	4	2	3	2	6	Mouth Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	..	1	..	..	..	..	1	..	..	..	..	2	3	2	2	2	3	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Mouth, Nursing Sore	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..

Males	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	1	--	Mouth, Ulcer. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	1	1	1		1	--	--	--	--	--	--	--	4	6	1	7	5	8	Mumps	3	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	1	1	1		--	--	--	--	--	--	--	--	3	3	--	5	3	4	"	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--		1	--	--	--	--	--	--	--	1	3	1	2	2	4	"	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	1		--	--	1	2	--	1	3	--	9	9	10	6	9	4	Murder	--	--	--	--	1	2	--	1	--	1	--	--	1	1	--	--	--	--	--	--
Males	--	--	--	1		--	--	1	1	--	1	1	--	5	9	8	5	6	4	"	--	--	--	--	--	2	--	1	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	--		--	--	--	1	--	--	2	--	4	--	2	1	3	--	"	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--
Females	--	--	--	--		--	--	--	--	--	--	--	--	--	--	2	--	--	--	Navel, Disease of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	1	1	--	--	--	Necrosis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	1	--	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--		--	--	--	--	1	--	--	--	1	--	--	--	--	--	Neglect	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--		--	--	1	1	1	1	1	--	5	7	1	2	2	--	Nerve Disease	--	--	--	--	--	--	--	--	--	2	1	1	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	1	1	--	--	2	3	--	--	--	--	" "	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	--	--	--	--
Females	--	--	--	--		--	--	1	1	--	--	1	--	3	4	1	2	2	--	" "	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	--	1	--	--	--	Nettle Rash	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	1	--	--	Neuralgia in Head	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	1	1	1		--	--	1	1	1	--	--	--	6	4	6	3	14	8	Neuralgia	--	--	--	--	1	2	--	1	--	1	--	--	1	--	--	--	--	--	--	--
Males	--	1	1	--		--	--	--	--	--	--	--	--	2	1	2	2	7	4	"	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	1		--	--	1	1	1	--	--	--	4	3	4	1	7	4	"	--	--	--	--	1	1	--	1	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	--		--	--	--	--	--	--	--	--	--	--	1	--	--	--	Obesity	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	1	--		--	--	--	--	--	--	--	--	1	--	--	--	--	--	Obstruction of Veins of Neck	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	36	33	52	43	40	26	38	55	49	34	40	43	--	489	483	373	428	428	400	Old Age	--	--	--	--	--	--	1	--	1	--	14	30	63	128	245	7				
Males	13	18	27	22	17	15	21	26	24	18	22	25	--	248	228	218	195	226	187	" "	--	--	--	--	--	--	--	--	1	--	5	11	33	69	128	1				
Females	23	15	25	21	23	11	17	29	25	16	18	18	--	241	255	155	233	202	213	" "	--	--	--	--	--	--	1	--	--	--	9	19	30	59	117	6				
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	1	--	--	--	--	Opium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	--	1	--	--	--	Opium Eating	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--		--	--	--	--	--	--	--	--	--	--	1	1	--	--	" "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Ossification of Blood Vessels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	1	Osteo-sarcoma	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Otorrhœa	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	1	1	2	..	..	5	3	6	....	3	5	Ovarian Tumor	....	..	..	..	..	1	..	..	1	2	..	..	..	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Ovaries, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	Ovaritis, Chronic	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	..	1	..	..	2	1	..	..	..	..	..	7	4	8	....	4	7	Overdose of Medicine	1	..	..	1	..	..	..	..	1	..	1	1	1	..	..	1	..	..
Males	..	1	..	1	..	..	1	1	..	..	..	..	..	4	4	4	....	3	1	" " "	....	..	..	..	..	..	..	..	1	..	1	1	..	..	..	1	..	..
Females	2	..	..	..	..	..	1	..	..	..	..	..	..	3	....	4	....	1	6	" " "	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	Overlifting, Strained by	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	1	1	..	..	2	1	....	....	....	....	Overwork	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	....	....	....	....	"	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	....	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Overwork and Exposure	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Pancreas, Enlarged, Rup. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	1	2	1	....	Paralysis, General	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	1	....	Paral. of Insane, General	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Paralysis of Lungs	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Paralysis, Rheumatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	1	..	..	..	..	..	2	....	....	....	....	....	Paralysis of Stomach	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..

Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Paralysis of Stomach	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	11	10	15	24	17	15	18	33	25	26	20	30	--	244	230	170	169	170	154	Paralysis	7	3	--	5	1	2	5	5	4	16	10	19	31	44	39	34	16	3
Males	5	4	11	13	7	9	10	20	14	14	9	16	--	132	127	89	98	85	78	"	2	2	--	3	1	2	3	1	2	8	6	8	17	23	26	18	9	1
Females	6	6	4	11	10	6	8	13	11	12	11	14	--	112	103	81	71	85	76	"	5	1	--	2	--	--	2	4	2	8	4	11	14	21	13	16	7	2
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Paraphlegia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	Pelvic Cellulitis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	Pericarditis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	1	--	1	2	--	--	--	--	"	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Peritonitis, Chronic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	" "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	Peritonitis, Pelvic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	2	1	--	1	--	--	--	3	1	--	--	8	8	13	8	9	11	Peritonitis	--	--	1	1	--	1	--	1	2	--	1	--	--	--	--	--	1	--
Males	--	--	1	--	--	1	--	--	--	2	--	--	--	4	4	6	5	1	3	"	--	--	1	--	--	--	--	1	--	--	1	--	--	--	--	--	1	--
Females	--	--	1	1	--	--	--	--	--	1	1	--	--	4	4	7	3	8	8	"	--	--	--	1	--	1	--	--	2	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	Phlebitis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	1	--	--	--	--	--	--	--	--	--	1	3	1	1	1	2	Piles	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	1	1	1	2	2	1	--	1	1	2	1	--	14	19	14	15	18	20	Pleurisy	2	--	1	1	--	2	2	--	1	1	1	--	2	1	--	--	--	--	--
Males	1	--	1	1	1	1	1	--	1	--	--	--	--	7	12	12	6	16	14	"	1	--	--	1	--	--	1	--	1	1	--	--	2	--	--	--	--	--	--
Females	--	1	--	--	1	1	--	--	--	1	2	1	--	7	7	2	9	2	6	"	1	--	1	--	--	2	1	--	--	--	1	--	--	1	--	--	--	--	--
Total	--	1	--	--	--	--	1	--	--	--	--	--	1	3	--	6	3	7	2	Pleuro-pneumonia	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	1	--
Males	--	1	--	--	--	--	1	--	--	--	--	--	--	2	--	4	3	4	--	" "	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	2	--	3	2	" "	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Total	3	13	9	5	1	3	--	2	9	8	8	9	--	70	48	80	109	74	58	Pneumonia, Typhoid	8	1	4	5	2	4	5	4	6	3	4	5	6	6	2	3	1	1
Males	2	5	4	5	--	2	--	1	7	2	4	6	--	38	27	55	63	50	39	" "	4	1	2	2	--	2	4	3	3	3	2	4	3	2	--	3	--	--
Females	1	8	5	--	1	1	--	1	2	6	4	3	--	32	21	25	46	24	19	" "	4	--	2	3	2	2	1	1	3	--	2	1	3	4	2	--	1	1
Total	58	56	64	60	39	24	14	23	26	26	35	38	2	465	627	745	802	766	641	Pneumonia	180	21	10	17	12	23	12	16	21	23	12	25	20	22	17	20	7	7

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	36	34	31	34	19	15	6	13	16	12	19	27	1	263	364	450	471	431	392	Pneumonia	100	12	5	11	5	13	5	8	11	15	7	14	9	17	8	11	6	6
Females	22	22	33	26	20	9	8	10	10	14	16	11	1	202	263	295	330	275	249	"	80	9	5	6	7	10	7	8	10	8	5	11	11	5	9	9	1	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	3	1	4	..	3	3	1	..	3	..	21	19	15	21	21	23	Poison	7	..	3	1	1	1	..	..	2	1	..	1	1	3	..	..	..	..
Males	..	1	1	3	1	3	..	..	2	..	..	1	..	12	6	7	11	12	14	"	4	..	2	..	1	1	..	..	2	1	..	..	..	1	..	..	..	..
Females	1	..	..	..	..	1	..	3	1	1	..	2	..	9	13	8	10	9	9	"	3	..	1	1	..	..	..	..	..	..	..	1	1	2	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	Prolapsus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	1	1	Prostate, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	Prostate, Enlarg't of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Prostatitis, Chronic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	Prostration	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Puerperal Congestion	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	1	2	..	..	..	..	..	4	6	5	4	5	4	Puerperal Convulsions	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	3	1	5	2	..	3	2	3	2	2	..	23	29	37	49	49	42	Puerperal Fever	..	..	..	2	7	4	4	5	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	2	1	Puerperal Peritonitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	Puerperal Septicæmia	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Purpura Hemorrhagica	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	1	..	Purpura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Males	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	1	1	Pyæmia	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	3	2	4	3	6	Quinsy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	1	1	3	1	2	2	"	....	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Rachitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	1	1	1	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	2	2	..	3	7	7	4	3	10	1	2	42	37	33	47	53	39	Railroad Accident	2	4	2	6	6	2	3	6	3	1	..	1	1	1	1	..	..	3
Males	1	..	2	2	..	3	6	5	3	2	10	1	2	37	36	30	45	51	38	" "	1	3	..	5	6	2	3	6	3	1	..	1	1	1	1	..	..	3
Females	..	..	..	..	..	..	1	2	1	1	..	..	..	5	1	3	2	2	1	" "	1	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Rape, Effects of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Rash	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Rheumatism in Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Rheumatism in Chest	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Rheumatism in Head	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	2	..	..	3	1	..	4	..	..	12	11	12	9	6	8	Rheumatism of Heart	1	1	2	..	1	..	..	..	..	1	..	1	1	2	..	2	..	..
Males	..	1	..	..	1	..	..	2	..	..	2	..	..	6	7	9	4	3	3	" " "	1	..	1	..	1	..	..	..	..	..	..	..	..	1	..	2	..	..
Females	..	..	1	..	1	..	..	1	1	..	2	..	..	6	4	3	5	3	5	" " "	....	1	1	..	..	..	..	..	..	1	..	1	1	1	..	..	..	..
Total	1	1	3	1	..	1	2	1	..	..	1	1	..	12	18	16	27	27	31	Rheumatism, Inflam.	....	2	1	2	2	1	..	1	..	..	..	..	2	..	..	..	..	1
Males	1	..	2	..	..	1	..	..	..	..	1	1	..	6	16	8	13	15	17	" "	....	1	..	..	1	1	..	..	..	..	..	..	2	..	..	..	..	1
Females	..	1	1	1	..	..	2	1	..	..	..	..	..	6	2	8	14	12	14	" "	....	1	1	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Rheumatism, Nervous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	2	..	..	1	..	4	1	3	1	....	3	Rheumatism, Sciatic	....	..	..	..	1	1	..	..	..	..	..	..	1	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	2	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	....	Rheumatism, Spinal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Rheumatism of Stomach	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Includes 1 "with home medicine," 1 "accidentally, by eating Sweet Cicely root," 1 "overdose of laudanum," and 1 "from diseased horse."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	5	1	5	4	3	1	3	4	5	2	4	6	..	43	29	31	24	29	50	Rheumatism	1	1	3	..	1	1	7	2	3	3	3	2	4	2	6	1	2	1
Males	4	1	4	2	1	1	2	3	3	2	2	4	..	29	15	22	10	18	32	"	1	..	3	..	1	..	3	1	3	1	2	..	3	2	5	1	2	1
Females	1	..	1	2	2	..	1	1	2	..	2	2	..	14	11	9	14	11	18	"	....	1	..	..	..	1	4	1	..	2	1	2	1	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Roscola	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Rupture, Internal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	....	....	....	....	"Salt Rheum"	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Sarcoma, Medullary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	....	....	....	1	Scald Head	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	4	1	2	1	4	3	4	..	2	5	2	..	32	25	34	32	36	24	Scald	29	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Males	3	3	..	1	1	3	3	4	..	2	2	2	..	24	15	19	22	23	15	"	23	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	1	1	1	..	1	..	..	..	..	3	..	..	8	10	15	10	13	9	"	6	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Scalp, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	32	33	31	33	40	35	28	32	29	35	30	46	..	404	399	423	440	580	565	Scarlet Fever	261	96	25	6	6	3	..	1	..	..	2	..	..	..	1	..	..	3
Males	20	18	13	18	19	18	14	17	13	16	17	20	..	203	193	216	234	297	292	" "	134	50	10	3	1	2	..	1	..	..	1	..	..	..	1	..	..	..
Females	12	15	18	15	21	17	14	15	15	19	13	26	..	200	206	207	206	283	273	" "	127	45	15	3	5	1	..	..	..	..	1	..	..	..	..	..	..	3
Unknown	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	" "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Scirrhosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	1	1	3	1	2	4	7	..	4	3	4	..	32	26	34	23	42	40	Scrofula	17	1	2	2	1	3	..	1	2	..	1	..	1	..	..	..	..	1
Males	2	..	1	2	1	..	3	2	..	1	2	1	..	15	15	24	11	23	28	"	10	1	1	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..

Females	..	1	..	1	..	2	1	5	..	3	1	3	..	17	11	10	12	19	12	Scrofula	7	..	1	2	1	2	..	1	1	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Scurvy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Sea-sickness	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	"Self Abuse"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	Septicæmia	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Shock	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	"Shot Himself"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Sickness of Mother	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Skin Disease	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	12	11	12	14	13	17	7	..	1	2	5	..	102	76	26	18	90	302	Small-pox	39	14	2	12	9	4	6	5	3	4	..	2	1	..	1	..	..	..
Males	5	6	4	7	8	5	12	..	..	1	..	3	..	51	43	20	11	49	172	" "	19	5	1	5	7	1	4	2	2	1	..	2	1	..	1	..	..	..
Females	3	6	7	5	6	8	5	7	..	..	2	2	..	51	33	6	7	41	130	" "	20	9	1	7	2	3	2	3	1	3	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	Snake Bite	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	Spasm of Glottis	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Spider Bite	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	Spina Bifida	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Spinal Irritation	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Spine, Concussion of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	6	7	14	8	2	8	10	9	6	7	1	..	81	73	69	114	170	99	Spine Disease	39	12	8	3	1	..	3	1	3	..	2	2	4	1	1	..	..	1
Males	1	2	1	4	5	1	4	7	3	4	5	..	..	37	37	34	51	86	58	" "	17	7	4	2	1	..	2	..	1	..	..	1	1	..	1	..	..	..
Females	2	4	5	10	3	1	4	3	6	2	2	1	..	43	36	35	63	84	41	" "	22	5	4	1	..	..	1	1	2	..	2	1	3	1	..	..	..	..

* Includes 5 from Scarlet Rash and 1 from Canker Rash.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Unknown			1											1						Spine Disease																		1
Males																1	2	2	2	Spine, Inflam. of																		
Females	1						1							2	2		1			" "	1			1														
Males						1						1		2		1				Spine, Injury of								1				1						
Females																	1	1		" " "																		
Males																	2			Spine, Paralysis of																		
Females												1		1			1			" " "													1					
Males																1				Spine, Softening of																		
Males																			1	Spiritualism																		
Males																			1	Spleen, Disease of																		
Females							1							1	1				2	" " "	1																	
Males				1										1			1	1	2	Spleen, Enlargement of		1																
Females																1		1		" " "																		
Males																1				Spleen, Inflam. of																		
Females																	1			" " "																		
Males																		1		Sprain of Side by Lifting																		
Males																1				Stabbing																		
Males																1				Starvation																		
Females																	2			"																		
Total	36	49	74	36	52	58	56	73	46	72	68	95	5	720	646	629	464	274	204	Still-born	720																	
Males	15	29	41	27	26	30	31	41	19	44	37	57	2	399	356	344	257	153	109	" "	399																	

Females	19	19	26	8	22	26	24	1	24	28	24	37	2	290	258	245	181	12	81	Still-born	290		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..
Unknown	2	1		1	4	2	1	1	3	..	7	1	1	31	32	40	26	9	14	" "	31		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..
Females	..	..		.	..	..	..	.	1	..	..	..	..	1	....	....	..	..	..	Stomach, Contraction of	1		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..
Total	..	..		1	2	3	2	1	2	4	1	3	..	20	20	12	19	11	13	Stomach Disease	7		1	..	..	..	..	..	1	2	1	1	2	2	1	1	..	..
Males	..	..		1	1	2	1	1	2	..	..	..	..	9	10	5	10	7	9	" "	2		..	..	..	..	..	..	..	2	1	..	..	2	1	..	..	..
Females	..	..		.	1	1	1	.	..	4	1	3	..	11	10	7	9	4	4	" "	5		1	..	..	..	..	..	1	.	..	1	2	..	..	1	..	..
Total	..	1		1	1	4	1	2	4	4	..	1	..	20	22	27	24	36	29	Stomach, Inflam. of	4		1	1	2	1	1	..	..	.	1	1	3	2	2	..	1	..
Males	..	.		1	..	2	1	.	2	1	..	1	..	8	14	10	7	15	11	" " "	2		1	1	1	..	..	..	..	.	1	..	1	1	..	..	..	..
Females	..	1		.	1	2	..	2	2	3	..	..	..	12	8	17	17	21	18	" " "	2		..	..	1	1	1	..	..	.	..	1	2	1	2	..	1	..
Females	..	..		.	..	..	..	2	..	1	..	..	..	3	3	....	..	..	..	Stomach, Neuralgia of	..		..	..	..	..	2	..	..	..	1	..	..	..	..	..	..	..
Males	..	..		.	..	..	..	.	..	..	..	..	..	....	....	....	..	..	1	Stomach, Softening of	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	..	.	..	..	1	..	..	1	....	....	..	.	..	Stomach, Strain of	....		..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1		1	..	..	1	1	..	1	2	3	..	11	7	8	5	8	5	Stomach, Ulceration of	....		..	..	..	..	..	..	1	1	1	2	2	2	..	..	..	2
Males	..	1		1	..	..	1	1	..	1	2	1	..	9	5	6	2	6	2	" " "	..		..	..	..	..	..	..	1	1	1	2	1	1	..	..	..	2
Females	..	..		.	..	..	..	.	..	..	.	2	..	2	2	2	3	2	3	" " "	....		..	..	..	..	..	..	..	.	..	..	1	1	..	..	..	..
Females	..	..		.	..	..	..	.	..	..	..	..	..	....	1	....	..	..	1	Stomatitis	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	..	.	..	..	..	..	..	....	1	....	1	..	1	Stone in Bladder	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Total	..	..		.	..	1	..	1	2	..	1	..	..	5	7	2	5	8	2	Strangulation [a]	4		..	1	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	..	1	2	..	..	..	..	3	3	2	4	7	..	"	2		..	1	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Females	..	..		.	..	1	..	.	..	..	1	..	..	2	4	....	1	1	2	"	2		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	..	.	..	..	..	..	..	....	....	....	..	..	1	Stricture of the Œsophagus	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	1	.	..	..	..	..	..	1	....	3	..	..	..	Stricture of Urethra	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	1	..
Males	..	..		.	..	..	..		.	..	..	..	..	....	....	1	..	..	2	Stricture	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Males	..	..		.	..	..	..		.	..	..	..	..	....	....	....	..	..	1	Struck in the Abdomen	....		..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..
Total	..	..		1	1	2	..		1	..	..	1	..	7	18	9	10	11	5	Suffocation	4	2	..	..	..	..	..	..	..	.	..	..	..	1	..	..	..	..
Males	..	..		1	..	1	..		1	..	..	1	..	5	14	4	4	8	3	"	3		..	..	..	..	..	..	..	.	..	..	..	1	..	..	..	..

[a] Includes 1 from "nipple of nurse bottle."

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1877.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	1	1	..	..	..	..	..	..		2	3	5	6	3	2	Suffocation	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..		....	1	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	5	7	4	7	5	6	7	4	2	7	10		66	54	52	53	39	35	Suicide	....	..	..	8	10	5	3	5	8	9	8	4	1	3	..	1	1	..
Males	2	4	6	3	4	5	3	5	1	2	6	5		46	43	42	31	30	23	"	....	..	..	3	6	3	3	3	7	7	7	3	..	3	..	1	..	..
Females	..	1	1	1	3	..	3	2	3	..	1	5		20	11	10	22	9	12	"	....	..	..	5	4	2	..	2	1	2	1	1	1	..	..	..	1	..
Total	..	..	..	..	1	2	1	5	1	1	..	..		11	17	1	21	3	6	Sun-stroke	3	1	..	1	..	1	1	..	..	1	2	..	1	..	..	..	..	..
Males	..	..	..	..	1	1	..	3	1	1	..	.		7	15	1	19	2	6	" "	2	..	..	..	..	..	1	..	..	1	2	..	1	..	..	..	..	..
Females	..	..	..	..	..	1	1	2	..	..	..	..		4	2	....	2	1	....	" "	1	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	..	1	..	..	..	..		2	3	....	2	3	....	Surgical Operation	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..		1	1	....	2	2	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..		1	2	....	....	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		....	1	....	....	....	....	Swallowing a Penny when a Boy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	1	..	..	..	2	..	1	2	..		7	6	7	9	6	3	Syphilis	1	..	..	..	1	2	..	1	..	1	..	1	..	..	..	..	..	..
Males	1	..	..	1	..	..	..	1	..	1	1	..		5	3	5	4	3	1	"	....	..	..	..	1	1	..	1	..	1	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..		1	2	2	5	3	2	"	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	1	..		1	1	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	4	2	1	7	2	7	9	5	10	7	9		66	77	71	89	106	103	Teething	63	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Males	3	2	1	..	5	2	3	6	4	4	4	5		39	39	37	41	60	52	"	38	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	2	1	1	2	..	4	3	1	6	3	4		27	38	34	48	46	51	"	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Total	..	1	..	..	1	..	..	..	..	1	2	1		6	2	....	5	3	3	Tetanus (Lock-jaw)	2	..	1	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	1	1		3	1	....	4	2	2	" " "	1	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..

Females...			--	--	-	--	--		1	--		3	1	--	1	1	1	Tetanus (Lock-jaw)		1	--	1	--	--	--		--	--	--	--		--	--		--
Males			--	--	-	--	--		--	--		--	--	--	1	--	-	Tetanus		----	--	--	--	--	--		--	--	--	--		--	--		--
Females			--	--	-	--	--		--	1		1	1	--	----	3	-	"		1	--	--	--	--	--		--	--	--	--		--	--		--
Total			1	2	-	2	--		2	--		10	21	7	18	31	18	Throat Disease		6	2	--	--	--	--		--	--	1	1		--	--		--
Males			1	1	-	2	--		1	--		7	13	3	11	15	10	" "		5	1	--	--	--	--		--	--	--	1		--	--		--
Females			--	1	-	--	--		1	--		3	8	4	7	16	8	" "		1	1	--	--	--	--		--	--	1	--		--	--		--
Total			--	--	1	1	1		--	--		3	4	3	----	--	1	Throat, Inflam. of		1	--	--	1	1	--		--	--	--	--		--	--		--
Males			--	--	1	--	--		--	--		1	3	1	----	--	1	" " "		----	--	--	--	1	--	--	--	--	--	--		--	--		--
Females			--	--	-	1	1		--	--		2	1	2	----	--	-	" " "		1	--	--	1	--	--	--	--	--	--	--		--	--		--
Males			--	--	-	--	1		--	--		1	--	--	1	--	-	Throat, Paral. of		----	--	--	--	--	--	--	--	--	--	--		--	1		--
Total	1	--	--	--	-	--	--		--	1		2	16	6	3	2	4	Throat, Putrid Sore		----	--	--	--	--	1	--	1	--	--	--		--	--		--
Males	1	--	--	--	-	--	--		--	--		1	7	4	1	1	3	" " "		----	--	--	--	--	--	--	1	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	1		1	9	2	2	1	1	" " "		----	--	--	--	--	1	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	--		--	--		--	--	1	----	--	1	Throat, Ulceration of		----	--	--	--	--	--	--	--	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	--		--	--	2	----	--	-	" " "		----	--	--	--	--	--	--	--	--	--	--		--	--		--
Total	--	1	1	--	1	--	3		--	--		7	5	11	8	6	1	Thrush		5	--	--	--	--	1	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	1		--	--		2	3	5	3	2	4	"		2	--	--	--	--	--	--	--	--	--	--		--	--		--
Females	--	1	1	--	1	--	2		--	--		5	2	6	5	4	7	"		3	--	--	--	--	1	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	--		--	--		--	--	--	----	--	1	Tongue-tied		----	--		--	--	--	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	--		--	--		--	--	--	1	--	-	Tonsilitis		----	--		--	--	--	--	--	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	--		--	--	1	----	--	-	"		----	--		--	--	--	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	--		--	--		--	--	--	1	--	-	Trachitis		----	-		--	--	--	--	--	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	--		--	--	--	1	-	-	"		----	--		--	--	--	--	--	--	--	--		--	--		--
Males	--	--	--	--	-	--	--		--	--		--	--	--	2	1	1	Trichiniasis		----	--		--	--	--	--	--	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	--		--	1	--	2	--	1	"		----	--		--	--	--	--	--	--	--	--		--	--		--
Females	--	--	--	--	-	--	--		--	--		--	--	--	1	--	-	Tubercles of Liver and Kidneys		----	--		--	--	--	--	--	--	--	--		--	--		--

[a] See Exhibit 9, page 237.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1877. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Years. 1877.	1876.	1875.	1874.	1873.	1872.	CAUSES OF DEATH.	Ages in Periods of Years.—1877. Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males															1	1	1		1	Tumor in Abdomen																		
Females															1	3	1	3	1	" " "																		
															1					Tumor under Arm																		
								1						1				2		Tumor on Back	1																	
															2	2		2		" " "																		
									1					1						Tumor in Bowels							1											
			1			1								2	1	1	2	1		Tumor of Brain										1				1			
																1	2	1	1	" " "																		
																1				Tumor of Chest																		
										1				1						" " "										1								
																			1	Tumor, Encephaloid																		
																1				Tumor, Fatty																		
Total		1						1						2	2			3	1	Tumor of Head	1															1		
Males								1						1	1			2	1	" " "																1		
Females		1												1	1			1		" " "	1																	
Males															1			1		Tumor on Lungs																		
Females												1		1						" " "									1									
Males															1					Tumor on Neck																		
Females																2				" " "																		
Females																1				Tumor, Operation for																		
Males															1					Tumor on Shoulder																		

	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	....	....	..	....	Tumor in Side	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
	..	..	...	...	..	..	...	...	...	...	...	.	..	....	2	2	....	..	....	" " "	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
...se	..	..	...	...	..	..	...	...	...	...	...	.	..	....	...	1	....	..	....	Tumor on Spine	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
...tal	..	..	...	1	1	..	1	...	...	1	...	1	..	5	5	8	3	6	4	Tumor in Stomach	....	..	..	..	..	..	..	1	1	.	..	1	..		..	..	1	..
Males	..	..	...	...	..	..	...	...	...	...	...	1	..	1	2	2	3	3	1	" " "	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	1	..
Females	..	..	...	1	1	..	1	...	...	1	...	.	..	4	3	6	....	3	3	" " "	....	..	..	..	..	..	..	1	1	.	..	1	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	...	1	2	1	1	Tumor on Throat	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Females	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	1	1	1	1	" " "	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Total	..	4	4	2	4	1	...	2	...	3	1	4	..	25	16	19	19	21	12	Tumor (Unspecified)	1	1	..	1	..	..	2	.	2	7	1	1	4		4	..	..	..
Males	..	2	2	...	1	1	...	...	...	1	...	4	..	11	2	5	6	8	3	" "	....	..	..	1	..	..	..	.	..	3	..	..	3		4	..	..	..
Females	..	2	2	2	3	..	...	2	...	2	1	.	..	14	14	14	13	13	9	" "	1	1	..	..	..	..	2	.	2	4	1	1	1		..	..	..	..
Females	..	..	1	...	1	..	...	...	...	...	...	.	1	3	4	3	4	4	1	Turn of Life	....	..	..	..	..	..	..	.	1	1	1	..	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	....	....	..	....	Tympanitis	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	....	....	..	....	Ulcer on Lungs	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Females	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	....	....	..	....	" " "	....	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Males	1	..	...	...	..	..	...	...	...	...	...	.	..	1	...	....	....	1	1	Ulcer on Neck	1	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	1	....	....	..	....	Ulcer on Penis	...	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Males	..	..	...	...	..	1	...	...	...	...	...	.	..	1	...	....	....	..	....	Ulcer near Pylorus	...	..	..	..	..	1	..	.	..	.	..	..	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	...	1	....	..	....	Ulcer on Spine	...	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	3	....	....	1	....	Ulcers (Unspecified)	...	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Females	..	..	...	...	..	..	...	...	...	1	...	.	..	1	...	1	2	1	....	" "	1	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..
Total	90	96	110	119	92	90	118	157	150	121	112	122	15	1392	1229	1387	1468	1516	1373	Unknown [a]	923	36	19	22	22	28	21	21	33	22	23	31	34	31	23	21	16	66
Males	49	47	68	67	57	44	62	76	77	62	62	66	7	744	656	729	799	804	734	"	507	18	12	12	7	9	7	9	15	10	13	15	19	17	11	12	12	39
Females	40	49	42	52	33	46	54	80	72	58	49	53	8	636	557	648	666	706	630	"	410	18	7	10	15	19	14	12	18	12	10	16	15	14	12	9	4	21
Unknown	1	..	...	...	2	..	2	1	1	1	1	3	..	12	16	10	3	6	9	"	6	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	6
Males	..	..	...	...	..	..	...	...	...	...	...	.	..	....	...	1	....	.	....	Uræmia	...	..	..	..	..	..	..	.	..	.	..	..	..		..	..	..	..

[a] See Exhibit Z, page 245.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

	Months, 1877.												Years.						Causes of Death.	Ages in Periods of Years.—1877.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1877.	1876.	1875.	1874.	1873.	1872.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
	..	..	..	..	..	..	..	..	..	1	..	..	..	2	....	....	....	....	....	Uræmia	....	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	2	1	Urinary Diseases	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Urinary Organs, Dis. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	....	....	....	....	Urine, Retention of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
	..	..	..	1	..	..	..	..	1	..	..	..	..	2	1	2	2	3	4	Uterine Tumor	....	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	....	1	1	....	....	1	Uterus, Abscess of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	....	....	1	....	....	....	Uterus, Cauliflower Excres. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	1	....	1	1	....	1	Uterus, Dis. of	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	..	1	..	2	..	1	..	..		..	..	..	..	4	5	4	5	12	9	Uterus, Inflam. of	....	..	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	....	1	....	....	....	1	Uterus, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	1	..	..		..	..	..	..	1	1	2	....	2	2	Uterus, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	....	....	....	....	1	....	Vaccination	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..		..	..	..	..	....	2	....	....	....	1	Venereal Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..		..	..	..	..	....	2	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..		..	..	..	1	....	....	....	....	....	Vomiting	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..		..	..	..	....	....	....	....	3	2	Whisky	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	..	..	..		..	..	..	2	....	1	5	2	1	White Swelling	....	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..
Males	..	1	..	..	..	..	..	..	..		..	..	..	1	....	1	4	2	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..		..	..	..	1	....	....	1	....	....	" "	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	6	6	6	7	12	8	19	22	16		9	11	..	131	181	101	153	200	192	Whooping-cough	120	8	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..

...les.....	8	3	1	5	2		10	11	8	5	5	7	..	61	89	43	66	105	102	Whooping-cough	57	3	..	1	..	..	..		..	..	..	..	..	..
...ales..	3	3	5	2	10	7	9	11	8	4	4	4	..	70	92	58	86	101	89	" "	63	5	..	..	..	..	..		1	..	..	..	..	..
...known.	..	..	..	..	..		..	..	..	..	..		..	....	..	....	1	....	1	" "	..	..		..	..	..	..		..	..	..	..	..	..
Total.....	..	..	..	1	..		1	1	1	1	..		..	5	6	5	7	2	8	Worms	5	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	..		1	..	1	1	..		..	3	3	....	2	1	3	"	3	..		..	..	..	..		..	..	..	..	..	..
Females..	..	..	..	1	..		..	1	..	..	..		..	2	3	5	5	1	5	"	2	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	..		..	..	..	..	..		..	....	1	2	..	....	1	Wounds, Army	..	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	..		..	..	..	..	..		..	....	..	....	..	....	1	Wound of Foot	..	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	..		..	..	..	..	..		..	....	..	....	..	....	1	Wound in Leg	..	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	..		..	..	..	..	..		..	....	..	....	..	....	1	Wound on Shoulder	..	..		..	..	..	..		..	..	..	..	..	..
Males.....	..	..	..	..	1		..	..	..	..	..		..	1	5	1	2	5	3	Wounds	..	..		..	..	..	..		..	..	..	..	..	..

Exhibit R points out the specific sources of danger of death from casualties, according to the returns of deaths for 1877. A careful study of this exhibit should lead to greater caution on the part of persons exposed to certain casualties, thereby avoiding many deaths which seem to be caused by carelessness.

EXHIBIT R.—*Deaths in Michigan in 1877, Compiled as Casualty.*

CASUALTY,—CAUSES AS RETURNED.	Number.
Total number tabulated as Casualty in Table XVII	222
Shot accidentally	19
Killed accidentally	73
Kick from a horse	13
Falling in shaft	1
Blasted in mine	3
Killed in mine	3
Runaway team	1
Killed in well	2
Clothes taking fire in a field	1
Boiler explosion	3
Hurt in woods	1
Killed in woods	1
Falling limb	2
Fell between cars	1
Explosion of kerosene lamp	1
Fell through elevator	2
Fell from bridge	1
Crushed by load of lumber	1
Fall in stone quarry	1
Killed in foundry	2
Lumber falling from R. R. car	1
Fall	18
Fall from wagon	7
Killed on railway	3
Killed by log rolling over him	1
Unloading logs	1
Crushed by logs	4
Fell from scaffold	2
Killed by team running over him	1
Run over by street car	1
Fell off lumber pile	
Hanged while playing with clothes-line	
Fell down stairs	
Chock pulling out on vessel	

CASUALTY,—CAUSES AS RETURNED.	Number.
Fell out of a cradle	1
Clothes caught on mill-shaft	1
Killed in mill	3
Thrown from a horse	2
Thrown from a barn frame	1
Accidentally burned	1
Straw stack falling on him	1
Shingle-jointer bursting	1
Fall of post	1
Rail falling across the neck	1
Shipwreck	1
Killed by horse	1
Accidentally scalded	1
Leech-tub fell on her	1
Run over by team	3
Injury from a horse	1
Horse ran away	1
Punctured knee joint	1
Bean in throat	1
Fell from barn	1
Fall of a stone	2
Killed in stave-factory	1
Fell from chair	1
Killed with threshing machine	1
Explosion of gun	2
Falling of wall	2
Killed by sawing-machine	1
Killed in pulp mill	1
Killed by ice falling from eaves of building	1
Accident by scalding with hot water	1
Cu[illegible] tongue	1

In Exhibit 9 are shown certain statistics of the deaths by suicide in this State in 1877. There were 66 suicidal deaths reported for 1877,—46 males and 20 females. This is the largest number returned for any of the years 1869–77. More persons committed suicide by means of poison than by any other specified means.

EXHIBIT 9.—*Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1877.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
January	9	38	M.	M	W.	Mechanic	Canada	Not given.
January	31	54	Unk.	M.	W.	Farmer	Germany	Pistol-shot.
February	3	46	M.	M.	W.	Butcher	England	Not given.
February	3	46	M.	M.	W.	Merchant	Germany	Not given.
February	8	44	M.	M.	W.	Agent	New York	Cutting throat.
February	14	48	Unk.	M.	W.	Farmer	New York	Poison.
February	24	23	S.	F.	W.	Unemployed	Wisconsin	Morphine.
March	4	26	S.	M.	W.	Laborer	Michigan	Not given.
March	6	56	M.	M.	W.	Carpenter	Canada	Not given.
March	17	45	M.	M.	W.	Unknown	Canada	Not given.
March	21	55	M.	F.	W.	House-wife	England	Not given.
March	29	21	S.	M.	W.	Farmer	Zealand	Not given.
March	31	43	M.	M.	W.	Farmer	Michigan	Poison.
March	31	28	S.	M.	W.	Farmer	Michigan	Not given.
April	12	24	S.	M.	W.	Farmer's Son	Michigan	Poison.
April	21	67	S.	M.	W.	Farmer	New York	Drowning.
April	22	40	M.	M.	W.	Painter	New York	Hanging.
April	30	20	M.	F.	W.	Unemployed	Detroit, Mich.	Not given.
May	4	20	S.	F.	W.	Seamstress	Michigan	Poison (Arsenic).
May	4	24	S.	M.	W.	Farmer	Ohio	Not given.
May	11	49	M.	M.	W.	Grocer	Prussia	Not given.
May	19	52	M.	F.	W.	House-wife	New York	Drowning.
May	19	50	S.	M.	W.	Laborer	Unknown	Not given.
May	25	19	S.	M.	W.	Farmer	Michigan	Not given.
May	31	16	S.	F.	W.	House-work	New York	Not given.
June	1	44	M.	M.	W.	Grocer	Germany	Not given.
June	4	22	S.	M.	W.	Unknown	Massachusetts	Poison.
June	9	22	Unk.	M.	W.	Laborer	Michigan	Not given.
June	13	30	S.	M.	W.	Butcher	Germany	Not given.
June	20	53	Divorced.	M.	W.	Farmer	Germany	Paris Green.
July	3	64	M.	F.	W.	Farmer	Canada	Not given.
July	6	41	M.	M.	W.	Lumberman	New York	Not given.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1877.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
July	10	42	S.	M.	W.	Lawyer	Scotland	Not given.
July	16	42	M.	F.	W.	House-keeper	New York	Poison.
July	16	15	S.	M.	W.	Laborer	Michigan	Paris Green.
July	30	18	S.	F.	W.	House-keeper	Michigan	Morphine.
August	1	38	M.	F.	W.	Unemployed	Netherlands	Not given.
August	1	15	S.	M.	W.	Unemployed	Canada	Hanging.
August	6	27	S.	F.	W.	Teacher	Michigan	Poison.
August	9	56	M.	M.	W.	Farmer	New York	Hanging.
August	10	52	M.	M.	W.	Farmer	New York	Poison.
August	16	51	M.	M.	W.	Carpenter	Prussia	Not given.
August	31	47	M.	M.	W.	Farmer	New York	Not given.
September	3	65	M.	M.	W.	Shoemaker	Germany	Not given.
September	20	24	S.	F.	W.	Not given	Ohio	Not given.
September	21	39	M.	F.	W.	House-keeper	Ohio	Poison.
September	27	18	S.	F.	W.	Unknown	Ohio	Not given.
October	10	38	M.	M.	W.	Farmer	New Hampshire	Not given.
October	16	49	M.	M.	W.	Hotel-keeper	Ireland	Poison.
November	4	24	S.	M.	W.	Farmer	Ohio	Hanging.
November	4	77	M.	M.	W.	Farmer	New York	Shooting.
November	5	50	M.	M.	W.	Farmer	Germany	Cutting throat.
November	6	30	M.	M.	W.	Laborer	Canada	Drowning.
November	10	65	M.	M.	W.	Farmer	Germany	Not given.
November	22	19	S.	F.	W.	Unemployed	Detroit, Mich.	Not given.
November	30	53	M.	M.	W.	Unknown	England	Not given.
December	1	30	M.	M.	W.	Book-keeper	New York	Laudanum.
December	2	45	W.	F.	W.	Unemployed	Canada	Not given.
December	11	44	M.	M.	W.	Harness-maker	Unknown	Morphine.
December	11	20	M.	F.	W.	House-keeper	Detroit, Mich.	Not given.
December	12	26	M.	M.	W.	Not given	Michigan	Not given.
December	16	58	M.	M.	W.	Saloon-keeper	Maine	Not given.
December	26	46	M.	F.	W.	House-wife	Germany	Drowning.
December	27	39	M.	M.	W.	Farmer	Ohio	Gun-shot.
December	28	16	S.	F.	W.	Student	Michigan	Poison.
December	Unk.	80	W.	F.	W.	Unknown	New York	Drowning.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1877.*

OCCUPATIONS.	No.	OCCUPATIONS.	No.	OCCUPATIONS.	No.
Agents	1	House-keepers	4	Saloon-keepers	1
Book-keepers	1	House-wives	3	Seamstresses	1
Butchers	2	House-workers	1	Shoemakers	1
Carpenters	2	Laborers	5	Students	1
Farmers	19	Lawyers	1	Teachers	1
Farmers' Sons	1	Lumbermen	1	Unemployed	6
Grocers	2	Mechanics	1	Unknown	7
Harness-makers	1	Merchants	1		
Hotel-keepers	1	Painters	1	Total	66

NATIVITY.	No.	NATIVITY.	No.	NATIVITY.	No.
Canada	7	Michigan	15	Scotland	1
England	3	New Hampshire	1	Unknown	2
Germany	9	New York	14	Wisconsin	1
Ireland	1	Netherlands	1	Zealand	1
Maine	1	Ohio	6		
Massachusetts	1	Prussia	2	Total	66

MEANS USED.	NUMBER.		MEANS USED.	NUMBER.		MEANS USED.	NUMBER.	
	Males.	Females.		Males.	Females.		Males.	Females.
Cutting Throat	2	.....	Laudanum	1	.....	Poison	6	5
Drowning	2	3	Morphine	1	2	Shooting	1	.....
Gun-shot	1	.....	Paris Green	2	.....	Not given	25	10
Hanging	4	.....	Pistol Shot	1	.....	Total	46	20

The fifteen causes of death included in Table XVIII. are reported to have caused 7,217 deaths in this State in 1877, which is 55.86 per cent. of the deaths from all causes returned for the year. This per cent. is larger than for any previous year except 1870. Consumption stands at the head of the list of fifteen principal causes of death, as having caused more deaths in Michigan in 1877 than any other disease, 12.88 per cent. of all the deaths returned having been attributed to that cause.

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1877, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.*

ORDER.	SPECIFIED CAUSES AND CONDITIONS, 1877.	NUMBER OF DEATHS.			PER CENT. FROM EACH CAUSE TO DEATHS FROM ALL CAUSES.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,664	726	938	12.88	10.63	15.53
2	Still-born	[a] 720	399	290	5.57	5.84	4.80
3	Diphtheria	593	299	294	4.59	4.38	4.87
4	Old Age	489	248	241	3.79	3.63	3.99
5	Pneumonia	465	263	202	3.60	3.85	3.34
6	Fever, Typhoid	446	234	212	3.45	3.43	3.51
7	Scarlet Fever	[b] 404	203	200	3.13	2.97	3.31
8	Cholera Infantum	370	205	165	2.86	3.00	2.73
9	Heart Disease	[b] 367	194	172	2.84	2.84	2.85
10	Apoplexy and Paralysis	329	188	141	2.55	2.75	2.33
11	Convulsions and Fits	298	179	119	2.31	2.62	1.97
12	Brain, Inflammation of	291	154	137	2.25	2.26	2.27
13	Diarrhea [c]	[d] 290	152	136	2.24	2.23	2.25
14	Cancer	265	124	141	2.05	1.82	2.33
15	Bowels, Inflammation of	226	129	97	1.75	1.89	1.61
	Total	[e] 7,217	3,697	3,485	55.86	54.15	57.70
	All Causes	[f] 12,919	6,827	6,040	100.00	100.00	100.00

[a] Includes 31 unknown sex. [b] Includes 1 unknown sex. [c] Includes Acute and Chronic.
[d] Includes 2 unknown sex. [e] Includes 35 unknown sex. [f] Includes 52 unknown sex.

Exhibit T shows the fifteen principal causes of death in Michigan during each of the years 1872–1877, in order by number of deaths from each cause, those causes being first in order which were reported to have caused the largest number of deaths. An examination of the exhibit will show quite a similarity in diseases included. Diphtheria appears first in 1874, and, with the exception of the year 1875, has appeared nearer the top of the exhibit each year, until in 1877, as a *cause* of death it is second only to consumption in the number of deaths which it was returned as having caused, although the number of still-births, as corrected by means of the returns of births, is larger than the number of deaths returned from diphtheria.

EXHIBIT T.—*Order of Succession of Fifteen Principal Causes of Death in Michigan during each of the Years 1872-77.*

Order.	1872.		1873.		1874.		1875.		1876.		1877.	
1	Consumption	1,467	Consumption	1,447	Consumption	1,392	Consumption	1,479	Consumption	1,590	Consumption	1,664
2	Pneumonia	641	Pneumonia	706	Pneumonia	800	Pneumonia	745	Still-born	646	Still-born	720
3	Typhoid Fever	620	Typhoid Fever	677	Typhoid Fever	610	Still-born	629	Pneumonia	627	Diphtheria	593
4	Scarlet Fever	561	Scarlet Fever	573	Still-born	464	Typhoid Fever	433	Old Age	483	Old Age	489
5	Dysentery	456	Old Age	428	Scarlet Fever	440	Scarlet Fever	423	Typhoid Fever	426	Pneumonia	465
6	Diarrhea	437	Spinal Fever	428	Old Age	428	Old Age	373	Scarlet Fever	399	Typhoid Fever	416
7	Old Age	400	Diarrhea	356	Diarrhea	365	Cholera Infantum	289	Apoplexy and Paral.	337	Scarlet Fever	404
8	Cholera Infantum	394	Brain, Infl. of	333	Heart Disease	320	Heart Disease	289	Cholera Infantum	331	Cholera Infantum	370
9	Brain, Infl. of	330	Heart Disease	315	Dysentery	302	Diarrhea	283	Heart Disease	320	Heart Disease	367
10	Convulsions and Fits	315	Dysentery	313	Cholera Infantum	278	Apoplexy and Paral.	259	Diphtheria	311	Apoplexy and Paral.	329
11	Small-pox	302	Cholera Infantum	306	Brain, Infl. of	261	Convulsions and Fits	258	Diarrhea	304	Convulsions and Fits	298
12	Heart Disease	301	Convulsions and Fits	306	Convulsions and Fits	258	Brain, Infl. of	232	Brain, Infl. of	275	Brain, Infl. of	291
13	Bowels, Infl. of	234	Bowels, Infl. of	285	Apoplexy and Paral.	232	Bowels, Infl. of	218	Convulsions and Fits	275	Cancer	265
14	Apoplexy and Paral.	225	Childbirth	254	Dropsy	226	Casualty	215	Cancer	241	Diarrhea	265
15	Childbirth	218	Apoplexy and Paral.	251	Diphtheria	213	Dropsy	215	Bowels, Infl. of	239	Bowels, Infl. of	226

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1877, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.*

ORDER.	SPECIFIED CAUSES AND CONDITIONS, 1877.	NUMBER OF DEATHS.			PER CENT. FROM EACH CAUSE TO DEATHS FROM ALL CAUSES.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,664	726	938	12.88	10.63	15.53
2	Still-born	[a] 720	399	290	5.57	5.84	4.80
3	Diphtheria	593	299	294	4.59	4.38	4.87
4	Old Age	489	248	241	3.79	3.63	3.99
5	Pneumonia	465	263	202	3.60	3.85	3.34
6	Fever, Typhoid	446	234	212	3.45	3.43	3.51
7	Scarlet Fever	[b] 404	203	200	3.13	2.97	3.31
8	Cholera Infantum	370	205	165	2.86	3.00	2.73
9	Heart Disease	[b] 367	194	172	2.84	2.84	2.85
10	Apoplexy and Paralysis	329	188	141	2.55	2.75	2.33
11	Convulsions and Fits	298	179	119	2.31	2.62	1.97
12	Brain, Inflammation of	291	154	137	2.25	2.26	2.27
13	Diarrhea [c]	[d] 290	152	136	2.24	2.23	2.25
14	Cancer	265	124	141	2.05	1.82	2.33
15	Bowels, Inflammation of	226	129	97	1.75	1.89	1.61
	Total	[e] 7,217	3,697	3,485	55.86	54.15	57.70
	All Causes	[f] 12,919	6,827	6,040	100.00	100.00	100.00

[a] Includes 31 unknown sex. [b] Includes 1 unknown sex. [c] Includes Acute and Chronic.
[d] Includes 2 unknown sex. [e] Includes 35 unknown sex. [f] Includes 52 unknown sex.

Exhibit T shows the fifteen principal causes of death in Michigan during each of the years 1872–1877, in order by number of deaths from each cause, those causes being first in order which were reported to have caused the largest number of deaths. An examination of the exhibit will show quite a similarity in diseases included. Diphtheria appears first in 1874, and, with the exception of the year 1875, has appeared nearer the top of the exhibit each year, until in 1877, as a *cause* of death it is second only to consumption in the number of deaths which it was returned as having caused, although the number of still-births, as corrected by means of the returns of births, is larger than the number of deaths returned from diphtheria.

—*Order of Succession of Fifteen Principal Causes of Death in Michigan during each of the Years 1872-77.*

			1873.		1874.		1875.		1876.		1877.	
		1,467	Consumption	1,447	Consumption	1,392	Consumption	1,479	Consumption	1,590	Consumption	1,664
	...ia	641	Pneumonia	706	Pneumonia	800	Pneumonia	745	Still-born	646	Still-born	720
3	Typhoid Fever	620	Typhoid Fever	677	Typhoid Fever	610	Still-born	629	Pneumonia	627	Diphtheria	593
4	Scarlet Fever	561	Scarlet Fever	573	Still-born	464	Typhoid Fever	433	Old Age	483	Old Age	489
5	Dysentery	456	Old Age	428	Scarlet Fever	440	Scarlet Fever	423	Typhoid Fever	426	Pneumonia	465
6	Diarrhea	437	Spinal Fever	428	Old Age	428	Old Age	373	Scarlet Fever	399	Typhoid Fever	416
7	Old Age	400	Diarrhea	356	Diarrhea	365	Cholera Infantum.	289	Apoplexy and Paral.	337	Scarlet Fever	404
8	Cholera Infantum.	394	Brain, Infl. of	333	Heart Disease	320	Heart Disease	289	Cholera Infantum.	331	Cholera Infantum.	370
9	Brain, Infl. of	330	Heart Disease	315	Dysentery	302	Diarrhea	283	Heart Disease	320	Heart Disease	367
10	Convulsions and Fits	315	Dysentery	313	Cholera Infantum.	278	Apoplexy and Paral.	259	Diphtheria	311	Apoplexy and Paral.	329
11	Small-pox	302	Cholera Infantum	306	Brain, Infl. of	261	Convulsions and Fits	258	Diarrhea	304	Convulsions and Fits	298
12	Heart Disease	301	Convulsions and Fits	306	Convulsions and Fits	258	Brain, Infl. of	232	Brain, Infl. of	275	Brain, Infl. of	291
13	Bowels, Infl. of	234	Bowels, Infl. of	285	Apoplexy and Paral.	232	Bowels, Infl. of	218	Convulsions and Fits	275	Cancer	265
14	Apoplexy and Paral.	225	Childbirth	254	Dropsy	226	Casualty	215	Cancer	241	Diarrhea	265
15	Childbirth	218	Apoplexy and Paral.	251	Diphtheria	213	Dropsy	215	Bowels, Infl. of	239	Bowels, Infl. of	226

TABLE XIX.—*Deaths from Ten Specified Causes during the Year 1877, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age, according to the Returns.*

SEX, MONTHS, AND AGES.		Causes of Death,—1877.									
		Cancer.	Cephalitis.	Croup.[a]	Diarrhea.[b]	Diphtheria.	Dysentery.[c]	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
SEX.	Total	265	291	164	290	593	221	62	404	446	131
	Males	124	154	95	152	299	108	33	203	234	61
	Females	141	137	69	136	294	113	29	200	212	70
	Unknown	.....	.....	.....	2	.....	.....	.....	1	.....	.....
MONTHS.	January	16	23	16	6	31	1	2	32	14	6
	February	13	18	25	3	26	2	3	33	13	6
	March	23	16	8	3	38	4	10	31	25	6
	April	19	23	10	6	25	2	12	33	18	7
	May	17	20	9	7	32	5	11	40	24	12
	June	24	20	3	23	24	8	3	35	9	8
	July	36	30	4	55	33	22	3	28	18	19
	August	23	42	7	96	40	77	3	32	54	22
	September	25	41	13	52	81	70	1	29	83	16
	October	19	17	25	25	105	16	3	35	85	9
	November	26	23	24	9	84	9	5	30	58	9
	December	24	17	20	4	73	5	5	46	43	11
	Unknown	.....	1	.....	1	1	.....	1	.....	2	.....
	Av. Month	22	24	14	24	49	18	5	34	37	11
AGES.	Under 5	13	184	127	242	252	176	41	261	51	120
	5 to 10	.....	26	31	10	210	7	9	96	34	8
	10 to 15	1	9	2	2	86	1	3	25	29	.....
	15 to 20	.....	11	.....	1	20	3	.....	6	64	1
	20 to 25	4	12	1	1	6	2	2	6	46	1
	25 to 30	7	12	.....	3	7	.....	2	3	37	.....
	30 to 35	5	5	.....	2	2	1	2	.....	16	.....
	35 to 40	13	4	.....	.....	2	2	.....	1	14	.....
	40 to 45	14	2	.....	2	1	1	.....	.....	26	.....
	45 to 50	26	6	.....	7	1	3	.....	.....	24	.....
	50 to 55	31	2	.....	.....	.....	2	.....	2	20	.....
	55 to 60	32	3	1	5	.....	2	.....	.....	11	.....
	60 to 65	29	4	.....	2	.....	1	.....	.....	10	1
	65 to 70	31	3	1	1	2	6	.....	.....	15	.....
	70 to 75	27	2	.....	3	[illegible]	1	1	1	[illegible]	[illegible]
	75 to 80	14	2	.....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	80 and over	13	1	.....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Unknown	5	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a] Includes 19 Membranous

TABLE XX.—*Per Cent. of Deaths during the Year ending December 31, 1877, from each of Ten Specified Causes, to Deaths from All Causes; and Per Cent. of each Sex, of Deaths in each Month, and at different Periods of Life to Total Deaths from each Specified Cause.*

SEX, MONTHS, AND AGES.	Causes of Death,—1877. Per Cent. of Total.									
	Cancer.	Cephalitis.	Croup.	Diarrhea.	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Per Ct. of All Causes	2.05	2.25	1.27	2.24	4.59	1.71	.48	3.13	3.45	1.01
SEX. Males	46.80	52.92	57.93	52.41	50.42	48.87	53.23	50.25	52.47	46.56
Females	53.21	47.08	42.07	46.90	49.57	51.13	46.77	49.50	47.53	53.44
Unknown	.....	.....	.....	.69	.....	.....	.....	.25	.....	.....
MONTHS. January	6.04	7.90	9.76	2.07	5.23	.45	8.23	7.92	3.14	4.58
February	4.91	6.19	15.24	1.03	4.38	.91	4.84	8.17	2.91	4.58
March	8.68	5.50	4.88	1.03	6.41	1.81	16.13	7.67	5.61	4.58
April	7.17	7.90	6.10	2.07	4.22	.91	19.35	8.17	4.04	5.34
May	6.42	6.87	5.49	2.41	5.39	2.26	17.74	9.90	5.38	9.16
June	9.06	6.87	1.83	7.93	4.05	3.62	4.84	8.66	2.02	6.11
July	13.58	10.31	2.44	18.97	5.56	9.95	4.84	6.93	4.04	14.50
August	8.68	14.43	4.27	33.10	6.75	34.84	4.84	7.92	12.11	16.79
September	9.43	14.09	7.93	17.93	13.66	31.67	1.61	7.18	18.61	12.21
October	7.17	5.84	15.24	8.62	17.71	7.24	4.84	8.66	19.06	6.87
November	9.81	7.90	14.63	3.10	14.17	4.07	8.06	7.43	13.00	6.87
December	9.06	5.84	12.20	1.38	12.31	2.26	8.06	11.39	9.64	8.40
Unknown	.....	.34	.....	.35	.17	.....	1.61	.....	.45	.....
Av. Month[illegible]s	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
AGES. Under 5	4.91	63.23	77.44	83.45	42.50	79.64	66.13	64.60	11.43	91.60
5 to 10	.....	8.93	18.90	3.45	35.41	3.17	14.52	23.76	7.62	6.11
10 to 15	.38	3.09	1.22	.69	14.50	.45	4.84	6.19	6.50	.....
15 to 20	.....	3.78	.....	.35	3.37	1.36	.....	1.49	14.35	.76
20 to 25	1.51	4.12	.61	.35	1.01	.90	3.23	1.49	10.31	.76
25 to 30	2.64	4.12	.....	1.03	1.18	.....	3.23	.74	8.30	.....
30 to 35	1.89	1.72	.....	.69	.34	.45	3.23	.....	3.59	.....
35 to 40	4.91	1.37	.....	.....	.34	.90	.....	.25	3.14	.....
40 to 45	5.28	.69	.....	.69	.17	.45	.....	.....	5.83	.....
45 to 50	9.81	2.06	.....	2.41	.17	1.36	.....	.....	5.38	.....
50 to 55	11.70	.69	.....	.....	.....	.90	.....	.50	4.48	.....
55 to 60	12.07	1.03	.61	1.72	.....	.90	.....	.....	2.47	.....
[illegible] to 65	10.94	1.37	.....	.69	.....	.45	.....	.....	4.26	.76
[illegible]	11.70	1.03	.61	.35	.34	2.71	.....	.....	3.36	.....
[illegible]	[illegible]	.69	.....	1.03	.17	1.81	1.61	.25	3.14	.....
[illegible]	[illegible]	[illegible]	.....	1.03	.....	2.26	1.61	.....	1.57	.....
[illegible]	[illegible]	[illegible]	.61	.69	.....	2.26	.....	.....	1.35	.....
[illegible]	[illegible]	[illegible]	.....	1.38	.51	.....	1.61	.74	2.91	.....

[illegible]ding deaths in unknown month.

EXHIBIT 10.—TEMPERATURE.—*Average by Years and by Months, for the Years 1868 to 1877, inclusive, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State. (Results of Observations by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1868	46.35	19.00	18.72	37.80	43.68	59.08	68.46	77.19	70.33	58.77	45.19	36.77	21.16
1869	46.27	29.38	26.66	27.60	45.70	56.02	64.45	70.35	70.58	63.45	40.80	32.05	28.16
1870	49.11	25.37	24.25	30.28	50.39	64.32	70.87	74.40	70.11	63.66	52.45	38.40	24.80
1871	47.93	24.75	25.65	38.18	50.13	61.39	68.21	70.60	71.19	58.10	53.91	31.95	21.12
1872	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	71.22	62.03	47.44	29.80	15.74
1873	44.54	15.87	19.10	28.30	43.17	56.98	70.60	70.82	69.49	57.38	44.68	28.49	29.54
1874	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875	43.09	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876	46.17	30.22	27.38	30.55	44.16	57.95	63.14	72.48	71.55	56.30	43.74	36.33	15.23
1877	47.42	18.07	32.31	24.51	46.16	58.25	65.93	71.43	68.46	61.28	50.83	35.24	36.57
Av. for 10 Years*	46.37	22.48	22.93	30.05	44.88	59.29	68.57	72.39	69.78	60.23	47.11	33.70	25.09

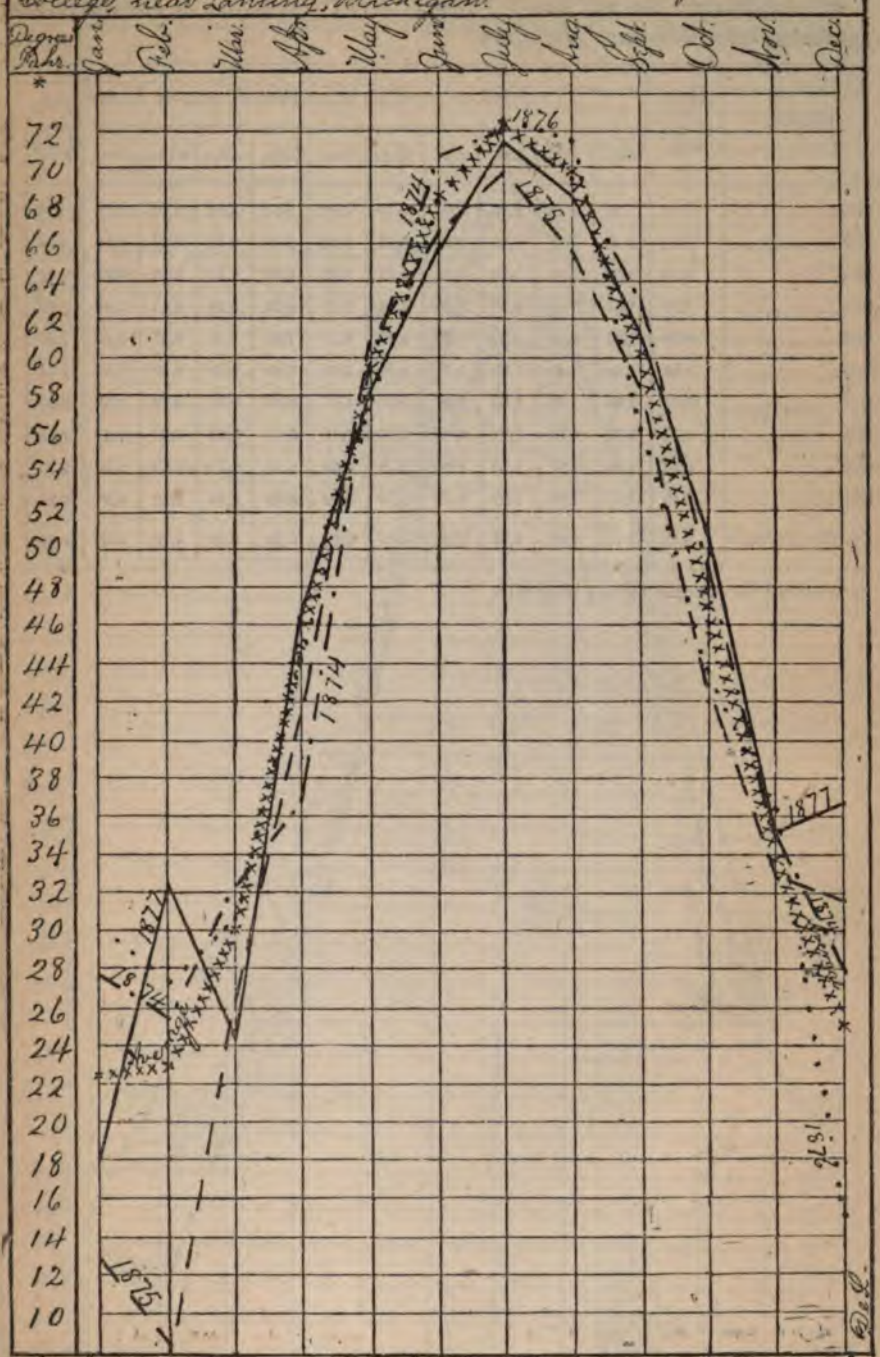
* Average for 10 years ending with 1877.

TABLE XXXI.—TEMPERATURE.—*Exhibiting the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, the Mean Range from Day to Day, and the Greatest Rise and Fall of Thermometer in 24 hours and in 14 hours, for each Month of the Year 1877, at the Agricultural College, near Lansing, Michigan.*

YEAR AND MONTHS, 1877.	TEMPERATURE.—FAHRENHEIT, 1877.												
	Average of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.	REGISTERING THERMOMETER.			AVERAGE RANGE.		GREATEST CHANGE IN 24 HOURS,—2 P. M. TO 2 P. M.		GREATEST CHANGE IN 14 HOURS,—7 A. M. TO 9 P. M.		REGISTERING THERMOMETER,—GREATEST CHANGE IN 24 HOURS.	
		Highest.	Lowest.	Range.	Daily,—7 A. M. to 9 P. M.	From Day to Day,—2 P. M. to 2 P. M.	Degrees of Rise and Fall.	Day of Month.	Degrees of Rise and Fall.	Day of Month.	Degrees of Change.	Day of Month.
Year 1877	47.42	93	-14	107	15.12	17.53	F. 34	M'r.17, Aug.2	R. 33	Mar. 13	42	Apr. 22
January	18.07	52	-9	61	12.58	16.06	F. 33	28	R. 32	30	34	29
February	32.31	56	10	46	14.79	17.71	F. 27	19	R. 26	20	33	19
March	24.51	51	-14	65	15.29	17.29	F. 34	17	R. 33	13	41	16
April	46.16	81	18	63	16.13	19.40	R. 27	22	F.&R. 26	1, 6, 7	42	22
May	53.25	90	26	64	16.52	18.13	R. 25	14	R. 25	14	35	13, 27
June	65.93	89	40	49	17.37	19.00	F. 28	22	F. 28	22	33	21
July	71.43	91	43	48	18.39	20.42	R. 29	21	R. 29	21	37	10, 16
August	68.46	93	43	50	17.45	19.48	F. 34	2	R. 30	11	40	2
September	61.28	85	38	47	18.97	21.10	R. 27	4	R. 27	4	33	6
October	50.83	87	26	61	13.71	17.82	F.&R. 32	4, 6	R. 32	6	32	3
November	35.24	55	4	51	11.48	13.18	R. 31	6	R. 31	6	28	6
December	36.57	58	13	45	8.77	10.73	F. 21	13, 16	R. 20	14	22	11, 13

Diagram No. 6.

Average Temperature, by months, for the years 1874, 1875, 1876, and 1877, and the Average for 10 years ending with 1877, at the Agricultural College, near Lansing, Michigan.



*Scale = 10 Degrees to the inch.

Designed by Henry B. Baker.

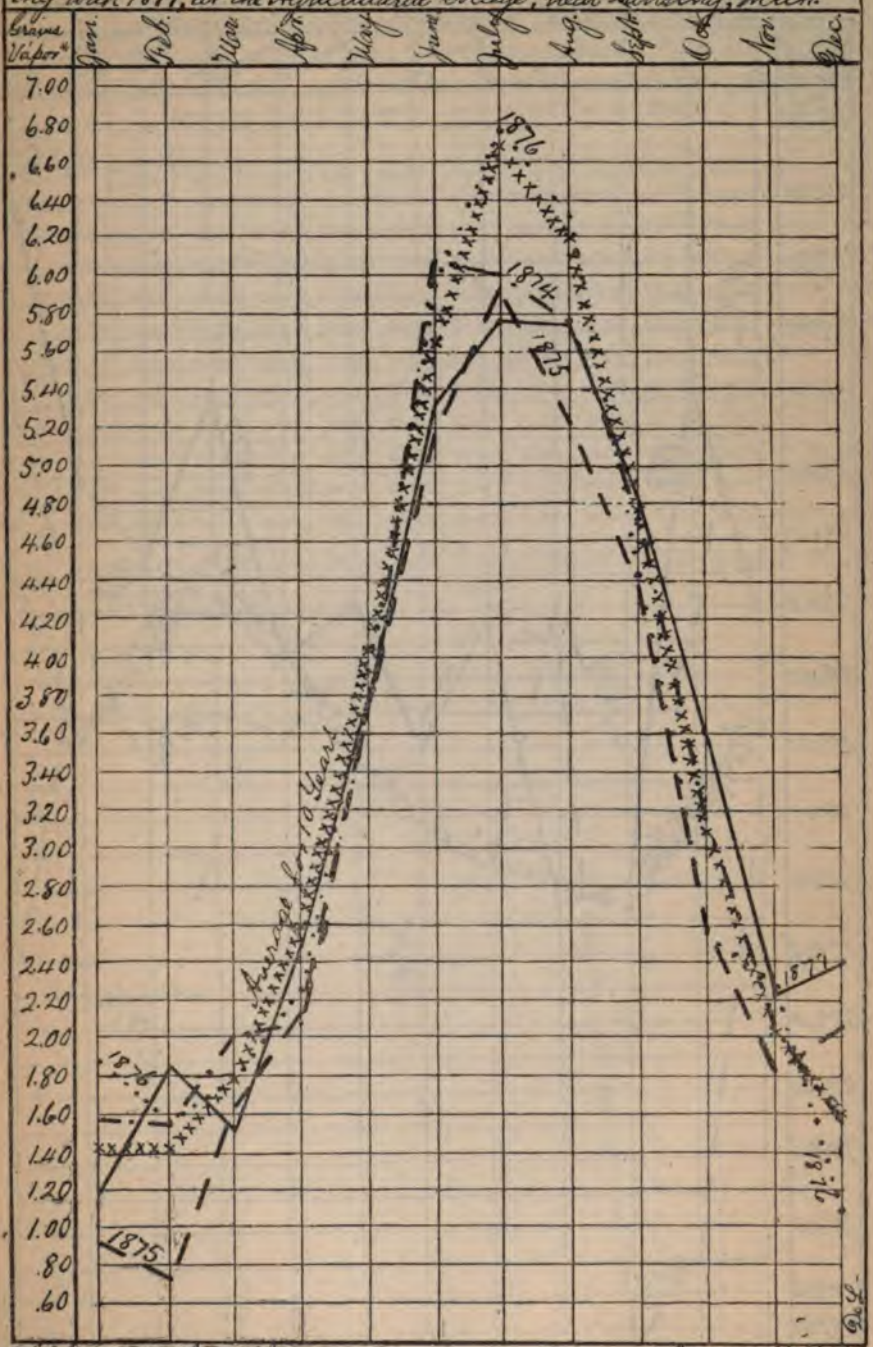
EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1868 to 1877, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVERAGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1868	3.31	1.10	1.13	2.50	2.61	3.78	3.50	8.51	5.99	4.20	2.75	2.28	1.39
1869	3.42	1.93	1.78	1.49	2.56	3.65	5.52	6.49	6.56	5.13	2.56	1.89	1.52
1870	3.90	1.50	1.35	1.76	3.06	4.92	6.45	7.19	6.54	5.45	3.95	2.22	1.70
1871	3.56	1.63	1.58	2.28	3.00	4.53	5.77	6.35	6.43	4.41	3.48	1.89	1.32
1872	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.80	1.13
1873	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.72	3.15	2.06	1.55
1875	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876	3.40	1.88	1.57	1.78	2.26	3.93	5.95	6.76	6.31	4.43	2.56	2.26	1.09
1877	3.45	1.19	1.85	1.53	2.47	3.79	5.32	5.76	5.74	4.82	3.59	2.22	2.39
Av. for 10 y'rs.*	3.46	1.42	1.42	1.78	2.59	4.04	5.64	6.68	6.20	4.76	3.09	2.03	1.60

* Average for 10 years ending with 1877.

Diagram No. 7.

Humidity of Atmosphere (Grains of Vapor in Cubic Foot of Air), by months, for the Years 1874, 1875, 1876, and 1877, and the Average for 16 Years ending with 1877, at the Agricultural College, near Lansing, Mich.



*Scale = 100 to the inch.

Designed by Henry B. Baker.

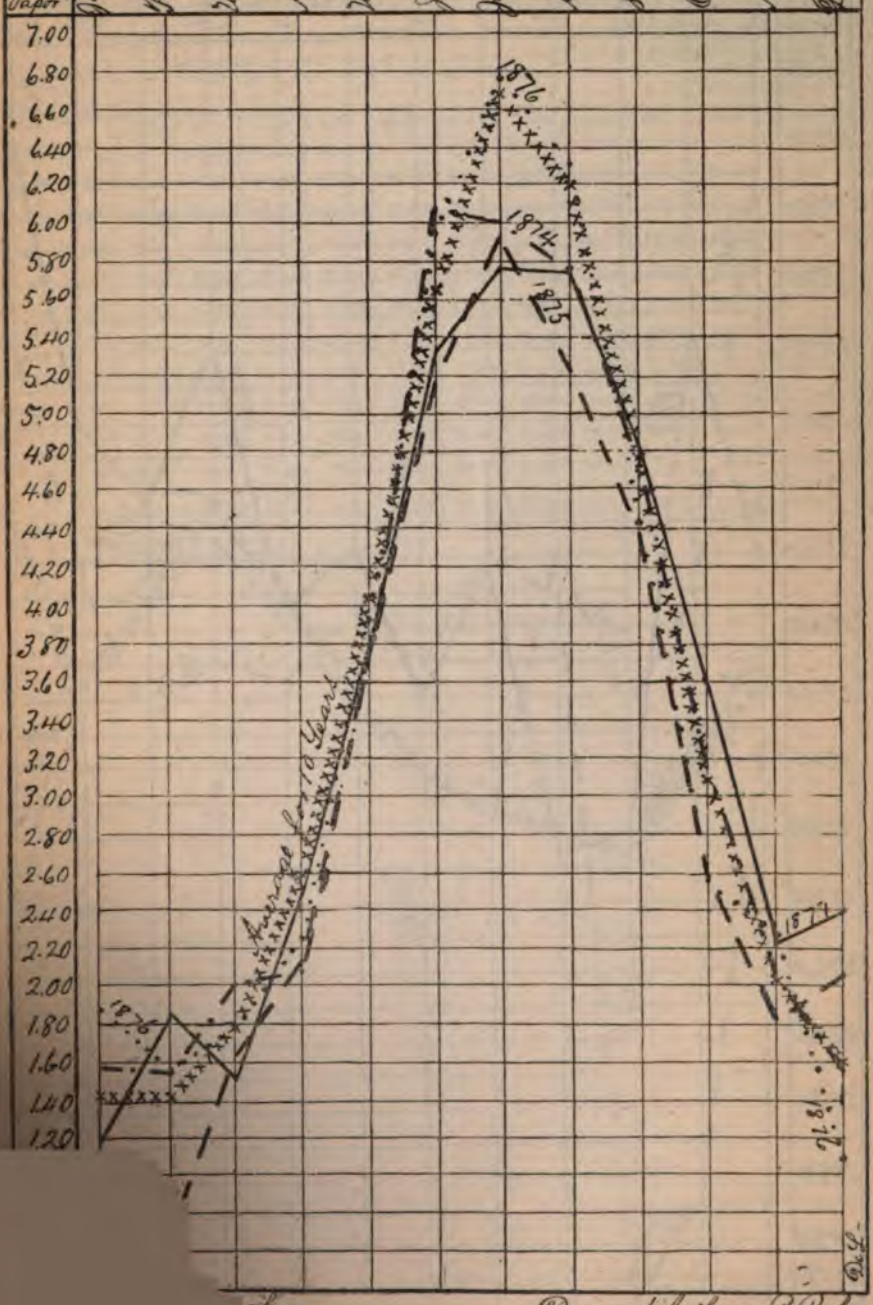
EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1868 to 1877, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVERAGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1868	3.31	1.10	1.13	2.50	2.61	3.78	3.50	8.51	5.99	4.20	2.75	2.28	1.39
1869	3.42	1.93	1.78	1.49	2.56	3.65	5.52	6.49	6.56	5.13	2.56	1.89	1.52
1870	3.90	1.50	1.35	1.76	3.06	4.92	6.45	7.19	6.54	5.45	3.95	2.22	1.70
1871	3.56	1.63	1.58	2.28	3.00	4.53	5.77	6.35	6.43	4.41	3.48	1.89	1.32
1872	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.89	1.13
1873	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.72	3.15	2.06	1.55
1875	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876	3.40	1.88	1.57	1.78	2.26	3.93	5.95	6.76	6.31	4.43	2.56	2.26	1.09
1877	3.45	1.19	1.85	1.53	2.47	3.79	5.32	5.76	5.74	4.82	3.59	2.22	2.39
Av. for 10 y'rs.*	3.46	1.42	1.42	1.78	2.59	4.04	5.64	6.68	6.20	4.76	3.09	2.03	1.69

* Average for 10 years ending with 1877.

Diagram No. 7.

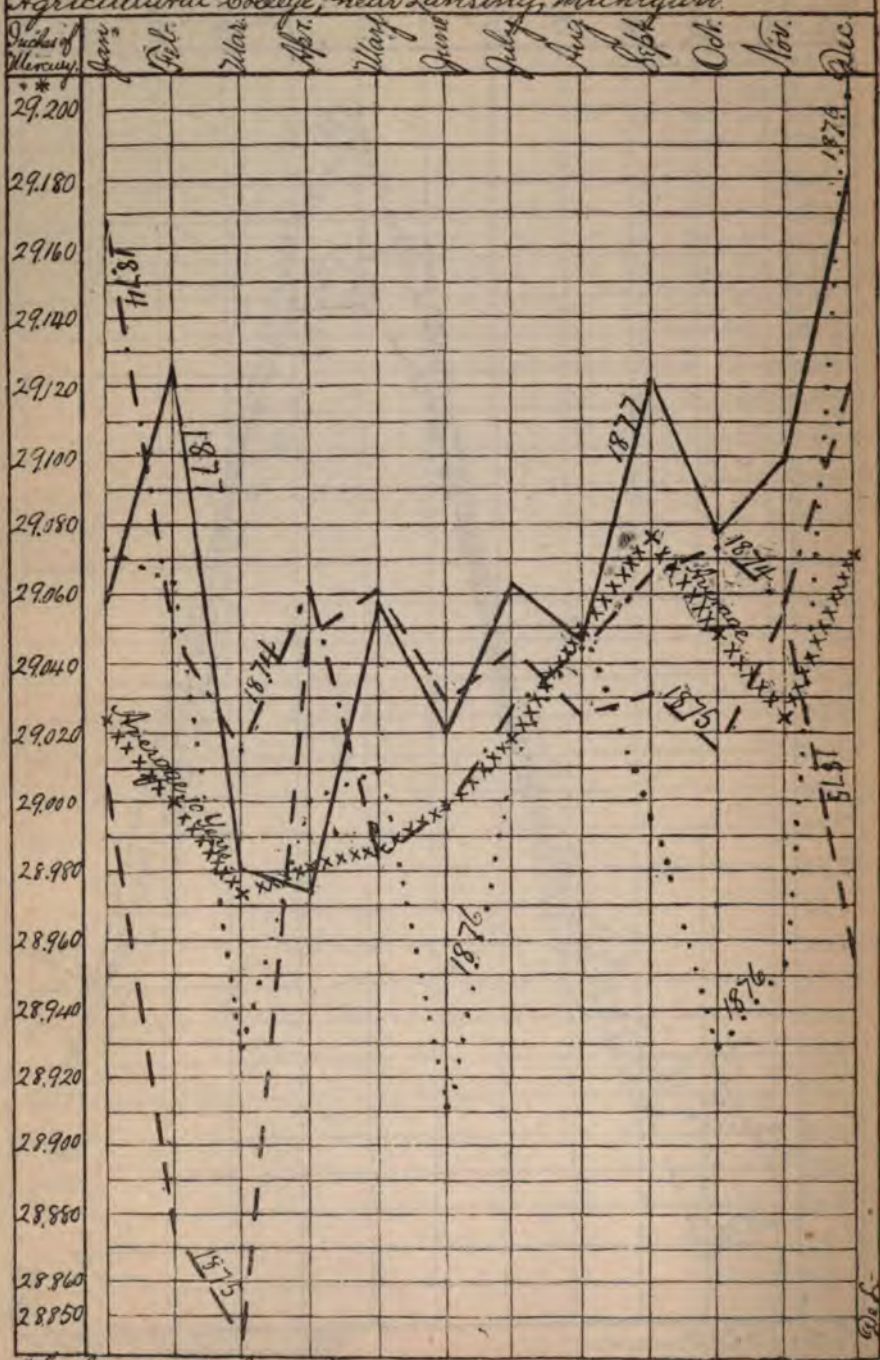
Humidity of Atmosphere (Grains of Vapor in Cubic Foot of Air), by months, for the Years 1874, 1875, 1876, and 1877, and the Average for 16 Years ending with 1877, at the Agricultural College, near Lansing, Mich.



Designed by Henry B. Baker.

Diagram No. 8.

Atmospheric Pressure by months, for the Years 1874, 1875, 1876, and 1877, and the Average for 10 Years ending with 1877; at the Agricultural College, near Lansing, Michigan.



*Scale = .055 to the inch.

Designed by Henry B. Baker.

TABLE XXXII.—*Some Meteorological Conditions at Certain Localities in Michigan, by Months, during the Year 1877.*

YEAR AND MONTHS, 1877.	DETROIT, MICH.				ESCANABA, MICH.				GRAND HAVEN, MICH.				MARQUETTE, MICH.			
	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.
YEAR, 1877	29.991	49.26	35.23	S. W.	29.990	42.58	31.61	N.	29.992	48.96	36.03	S. W.	29.965	44.33	27.54	W.
January	30.097	20.30	1.23	S. W.	30.047	11.60	0.65	S.	30.076	24.20	1.53	S. W.	30.003	17.30	0.29	W.
February	30.116	33.20	0.01	S. W.	30.115	26.70	0.30	N.	30.130	32.60	0.09	S.	30.104	31.40	0.12	N. W.
March	29.997	26.70	5.43	S. W.	30.034	18.30	1.03	N.	30.016	28.00	3.15	N. W.	30.020	21.50	0.35	W.
April	29.959	46.00	3.27	N. E.	30.024	36.90	1.40	N.	29.957	45.40	4.48	E.	30.027	39.60	1.68	N. W.
May	30.001	57.70	0.90	S. W.	29.996	51.70	0.63	S.	29.997	57.00	2.10	S.	29.975	54.10	0.81	N. W.
June	29.883	67.20	4.80	S. W.	29.844	58.50	5.55	S.	29.873	63.40	4.18	S.	29.824	[a] 58.80	[a] 3.31	N. W.
July	29.906	72.50	1.57	S. W.	[b] 29.918	68.00	2.66	S.	29.915	70.10	1.42	S. W.	29.835	61.20	5.59	W.
August	29.886	71.60	7.29	S. W.	29.902	66.70	5.19	N.	29.933	68.70	1.52	S. W.	29.894	66.40	1.17	W.
September	29.986	64.60	0.39	S. W.	29.965	58.70	2.70	S.	29.987	63.80	0.67	S. W.	29.930	60.70	3.21	S.
October	29.960	53.80	4.72	S. W.	29.987	45.50	7.19	N.	29.955	52.90	6.45	S. W.	29.971	47.10	4.97	N. E.
November	30.009	39.20	4.10	S. W.	30.000	34.50	3.78	W.	29.996	39.40	6.47	W.	29.973	35.60	4.75	W.
December	30.093	38.30	1.49	S. W.	30.049	33.80	3.53	N.	30.074	42.00	3.97	S. E.	30.023	35.30	1.26	S. E.
Average Month	29.991	49.26	2.94	.....	29.990	42.58	2.88	.....	29.992	48.96	3.00	.....	29.965	44.33	2.30	.....

[a] Twenty three days' observations. [b] Twenty-four days' observations.

EXHIBIT 13.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes during the Years 1869–1877, Per Cent. of Deaths to the Estimated Population*[a] *in each Year, and some coincident Meteorological Conditions, at the Agricultural College, near Lansing, and near the center of the thickly-settled part of the State.*

Years 1869-1877 in Order by Per Cent. of Reported Deaths from All Causes to Estimated Inhabitants, Year of Greatest Death-rate First.	Estimated Inhabitants.[a]	Deaths Reported.		Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.,—Monthly Averages.			Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
		Number.	Per Cent. of Deaths to Estimated Inhabitants.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in Cubic Foot of Air.[b]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Range of Barometer. Annual.	Range of Barometer. Average Daily.	Average Pressure.
More than the Av. Death-rate. 1873	1,358,848	14,258	1.05	14.37	17.67	44.54	80	.297	3.36	4.02	4.63	31.745	1.307	.141	28.874
More than the Av. Death-rate. 1872	1,297,973	13,371	1.03	15.31	18.14	45.54	83	.327	3.70	2.82	4.24	26.853	1.902	.123	28.887
More than the Av. Death-rate. 1870	1,184,282	10,766	.91	17.11	19.03	c 49.10	81	.341	3.90	.....	.....	37.757	1.366	.....	28.876
Average	1,360,203	11,917	.88	15.34	18.06	46.35	80	.305	3.48	3.80	4.22	30.676	2.157	1.58	28.936
Less than the Average Death-rate. 1874	1,422,578	12,500	.88	15.65	18.27	47.05	78	.294	3.36	4.10	3.99	22.959	2.069	.130	28.935
Less than the Average Death-rate. 1869	1,057,608	9,145	.86	15.00	.....	46.27	81	.302	3.49	.....	.....	33.153	1.660	.....	28.887
Less than the Av. Death-rate. 1876	1,559,145	12,576	.81	13.60	16.33	c 46.17	81	.300	3.40	3.68	4.11	30.553	1.860	.138	29.010
Less than the Av. Death-rate. 1875	1,489,297	11,990	.81	15.34	17.55	c 43.09	79	.267	3.11	4.53	5.04	28.437	1.628	.306	29.003
Less than the Av. Death-rate. 1877	1,632,269	12,919	.79	15.12	17.53	47.42	80	.299	3.45	3.66	3.33	37.420	1.539	1.09	29.066
Less than the Av. Death-rate. 1871	1,239,825	9,728	.78	16.52	19.97	47.93	80	.315	3.56	.....	.....	27.210	6.079	.....	28.884

[a] Population estimated from Censuses of 1860 and 1870.
[b] See foot-note to Exhibit K, page 256.
[c] Exceptions to the proposition that the temperature was *less* than the average in years in which the death-rate was *greater* than the average, and *vice versa*.

EXHIBIT 14.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes, by Months, during the Year 1877, and some coincident Meteorological conditions at the Agricultural College, near Lansing, and near the center of the thickly-settled part of the State.*

Months in Order by Number of Reported Deaths from All Causes, Greatest First.	Deaths Reported from All Causes, 1877. Number. Total.	Number. Males.	Number. Females.	Number. Unknown.	Per Cent. of Total. Total.	Per Cent. of Total. Males.	Per Cent. of Total. Females.	Per Cent. of Total. Unknown.	Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M. Average Range. Daily.	Average Range. From Day to Day,—2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Ozone,—Relative. Maximum=10. Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere.—Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Average Daily.	Average Pressure.
Year, 1877 [b]	12,863	6,800	6,013	50	100.00	100.00	100.00	100.00	15.12	17.53	47.42	80	3.45	3.66	3.33	37.42	1,539	.109	29.066
More than the Av. No. of Deaths. August	1,559	819	738	2	12.12	12.04	12.27	4.00	17.45	19.48	68.46	78	5.74	3.42	1.03	[e] 6.57	.401	.056	[g] 29.046
Sept.	1,490	746	648	6	10.88	10.97	10.78	12.00	18.97	21.10	61.28	80	4.82	2.93	1.53	1.38	.451	.073	29.121
October	1,221	634	585	2	9.49	9.32	9.73	4.00	13.71	17.82	50.83	83	3.59	3.20	3.19	[e] 5.69	.695	.105	29.077
Dec.	1,155	623	527	5	8.98	9.16	8.76	10.00	8.77	[c] 10.73	[d] 36.57	89	2.39	3.17	[f] 3.37	1.03	.832	.112	29.180
Average	1,072	567	501	4	8.33	8.33	8.33	8.33	15.12	17.53	47.42	80	3.45	3.66	3.33	3.12	.765	.109	29.066
Less than the Av. No. of Deaths. Nov.	1,060	550	500	10	8.24	8.09	8.32	20.00	11.48	13.18	35.24	87	2.22	[f] 3.60	3.73	3.67	1.143	.152	[g] 29.009
July	1,040	565	471	4	8.09	8.31	7.83	8.00	18.39	[c] 20.42	[d] 71.43	70	5.76	[f] 2.71	[f] 1.77	[e] 2.25	.655	.088	29.062
March	990	525	457	8	7.70	7.72	7.60	16.00	15.29	17.29	24.51	91	1.53	5.29	6.06	5.60	1.119	.151	28.981
April	978	542	435	1	7.60	7.97	7.23	2.00	16.13	[c] 19.40	46.16	70	2.47	3.70	4.27	4.14	.789	.110	28.974
May	976	495	475	6	7.59	7.28	7.90	12.00	16.52	[c] 18.13	[d] 58.25	66	3.79	[f] 3.29	[f] 2.94	[e] 2.23	.676	.083	29.056
June	875	466	407	2	6.80	6.85	6.77	4.00	17.37	[c] 19.00	[d] 65.93	75	5.32	[f] 3.17	[f] 2.90	3.53	.513	.084	29.020
Feb.	843	427	415	1	6.55	6.28	6.90	2.00	14.79	[c] 17.71	32.31	85	1.85	4.54	4.14	[e] .00	1.007	.122	[g] 29.124
Jan.	766	408	355	3	5.96	6.00	5.90	6.00	12.58	16.06	18.07	91	1.19	4.87	5.03	[e] 1.33	.896	.176	29.057

[a] See foot-notes to Exhibit K, page 256. [b] Excluding Deaths in unknown month. [c] Exceptions to the proposition that the Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [d] Exceptions to the proposition that the Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [e] Exceptions to the proposition that the Rain-fall was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [g] Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Croup.—This disease was reported to have caused 164 deaths in Michigan in 1877,—1.27 per cent. of the deaths from all causes. The largest per cent. is shown for February and October; and 77.44 per cent. were persons under 5 years of age. Exhibit K furnishes data for the study of deaths from croup and the coincident meteorological conditions. The amount of vapor inhaled seems to sustain a close relation to the deaths from croup.

EXHIBIT K.—CROUP.—*Deaths Returned as having Occurred in Michigan from Croup, by Months, during the Year 1877, and some coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Croup, Greatest First.		Deaths from Croup, 1877.		Temperature, Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.,—Monthly Averages.				Ozone,—Relative. Maximum=10.			
				Average Range.										
		Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[b]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[c]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain-fall, in Inches.	Average Pressure of Atmosphere. Barometer Reduced to 32° Fahrenheit.
Year, 1877		[d]164	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	37.42	29.066
More than the Av. No. of Deaths.	February	25	15.24	14.79	17.71	32.31	85	1.85	1.16	10.52	4.54	4.14	.00	29.124
	October	25	15.24	13.71	17.82	50.83	83	3.59	[e] 2.24	9.44	3.20	3.19	5.69	29.077
	November	24	14.63	11.48	13.18	35.24	87	2.22	1.39	10.29	3.60	3.73	3.67	29.069
	December	20	12.20	8.77	10.73	36.57	89	2.39	1.49	10.19	3.17	3.37	1.03	29.180
	January	16	9.76	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	1.33	29.057
Average		14	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	3.12	29.066
Less than the Average No. of Deaths.	September	13	7.93	18.97	21.10	61.28	80	4.82	3.01	8.67	2.93	1.53	1.38	29.121
	April	10	6.10	16.13	19.40	46.16	70	2.47	[e] 1.54	10.14	3.70	4.27	4.14	28.974
	May	9	5.49	16.52	18.13	58.25	66	3.79	2.37	9.31	3.29	2.94	2.23	29.056
	March	8	4.88	15.29	17.29	24.51	91	1.53	[e] .96	10.72	5.29	6.06	5.60	28.981
	August	7	4.27	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	6.57	29.046
	July	4	2.44	18.39	20.42	71.43	70	5.76	3.60	8.08	2.71	1.77	2.25	29.062
	June	3	1.83	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	3.53	29.020

[a] Approximate,—Calculated from Temperature and Force of Vapor combined. (Temperature of Wet Bulb Thermometer not stated.)

[b] Calculated for 18 respirations per minute, of 20 cubic inches of air each.

[c] Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.

[d] Includes 19 Membranous croup.

[e] Exceptions to the proposition that *more* than the average number of deaths from croup occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

4.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes, by Months, during the 7, and some coincident Meteorological conditions at the Agricultural College, near Lansing, and near the center ly-settled part of the State.*

... FROM ALL CAUSES, GREATEST FIRST.		Deaths Reported from All Causes, 1877. Number. Total.	Males.	Females.	Unknown.	Per Cent. of Total. Total.	Males.	Females.	Unknown.	Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M. Average Range. Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Ozone,—Relative. Maximum=10. Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere.—Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Average Daily.	Average Pressure.
YEAR, 1877 ..... b		12,863	6,800	6,013	50	100.00	100.00	100.00	100.00	15.12	17.53	47.42	80	3.45	3.66	3.33	37.42	1,539	.109	29.066
More than the Av. No. of Deaths,	August..	1,559	819	738	2	12.12	12.04	12.27	4.00	17.45	19.48	68.46	78	5.74	3.42	1.03	e 6.57	.401	.056	g 29.046
	Sept.	1,400	746	648	6	10.88	10.97	10.78	12.00	18.97	21.10	61.28	80	4.82	2.93	1.53	1.38	.451	.073	29.121
	October.	1,221	634	585	2	9.49	9.32	9.73	4.00	13.71	17.82	50.83	83	3.59	3.20	3.19	e 5.69	.695	.105	29.077
	Dec.....	1,155	623	527	5	8.98	9.16	8.76	10.00	8.77	c 10.73	d 36.57	89	2.39	3.17	f 3.37	1.03	.832	.112	29.180
Average		1,072	567	501	4	8.33	8.33	8.33	8.33	15.12	17.53	47.42	80	3.45	3.66	3.33	3.12	.765	.109	29.066
Less than the Av. No. of Deaths.	Nov.....	1,060	550	500	10	8.24	8.09	8.32	20.00	11.48	13.18	35.24	87	2.22	f 3.60	3.73	3.67	1.143	.152	g 29.039
	July.....	1,040	565	471	4	8.09	8.31	7.83	8.00	18.39	c 20.42	d 71.43	70	5.76	f 2.71	f 1.77	e 2.25	.655	.088	29.062
	March...	990	525	457	8	7.70	7.72	7.60	16.00	15.29	17.29	24.51	91	1.53	5.29	6.06	5.60	1.119	.151	28.981
	April....	978	542	435	1	7.60	7.97	7.23	2.00	16.13	c 19.40	46.16	70	2.47	3.70	4.27	4.14	.789	.110	28.974
	May.....	976	495	475	6	7.59	7.28	7.90	12.00	16.52	c 18.13	d 58.25	66	3.79	f 3.29	f 2.94	e 2.23	.676	.083	29.056
	June	875	466	407	2	6.80	6.85	6.77	4.00	17.37	c 19.00	d 65.93	75	5.32	f 3.17	f 2.90	3.53	.513	.084	29.020
	Feb.....	843	427	415	1	6.55	6.28	6.90	2.00	14.79	c 17.71	32.31	85	1.85	4.54	4.14	e .00	1.007	.122	g 29.124
	Jan.....	766	408	355	3	5.96	6.00	5.90	6.00	12.58	16.06	18.07	91	1.19	4.87	5.03	e 1.33	.896	.176	29.057

a See foot-notes to Exhibit K, page 256. b Excluding Deaths in unknown month. c Exceptions to the proposition that the Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. d Exceptions to the proposition that the Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. e Exceptions to the proposition that the Rain-fall was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. f Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. g Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Exhibit M contains data concerning the meteorological conditions coincident with diphtheria.

EXHIBIT M.—DIPHTHERIA.—*Deaths from Diphtheria Returned as having occurred in Michigan during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Diphtheria, Greatest First.	Deaths from Diphtheria, 1877.		Temperature,—Fahr.; Mean of three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum =10.		Average Pressure of Atmosphere. Barometer Reduced to 32° Fahrenheit.
			Average Range.									
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1877	[b] 592	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
More than Av. No. of Deaths. October	105	17.74	13.71	17.82	[c] 50.83	83	3.59	[d] 2.24	9.44	3.20	3.19	29.077
November	84	14.19	11.48	13.18	35.24	87	2.22	1.39	10.29	3.60	3.73	29.099
September	81	13.68	18.97	21.10	[c] 61.28	80	4.82	[d] 3.01	8.67	2.93	1.53	29.121
December	73	12.33	8.77	10.73	36.57	89	2.39	1.49	10.19	3.17	3.37	29.180
Average	49	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
Less than the Average Number of Deaths. August	40	6.76	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	29.046
March	38	6.42	15.29	17.29	[c] 24.51	91	1.53	[d] .96	10.72	5.29	6.06	28.981
July	33	5.57	18.39	20.42	71.43	70	5.76	3.60	8.08	2.71	1.77	29.062
May	32	5.41	16.52	18.13	58.25	66	3.79	2.37	9.31	3.29	2.94	29.036
January	31	5.24	12.58	16.06	[c] 18.07	91	1.19	[d] .74	10.94	4.87	5.03	29.057
February	26	4.39	14.79	17.71	[c] 32.31	85	1.85	[d] 1.16	10.52	4.54	4.14	29.124
April	25	4.22	16.13	19.40	[c] 46.16	70	2.47	[d] 1.54	10.14	3.70	4.27	28.974
June	24	4.05	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	29.020

[a] See foot-note to Exhibit K, page 256.
[b] Excluding 1 in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months in which the mean temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Diphtheria occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

Croup and Diphtheria.—Exhibit L combines the number of deaths from croup and diphtheria, and permits of the study of their relation to the coincident meteorological conditions.

EXHIBIT L.—CROUP AND DIPHTHERIA.—*Deaths Returned as having occurred in Michigan from Croup and Diphtheria, by Months, during the year 1877, and some coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Croup and Diphtheria, Greatest First.		Deaths from Croup and Diphtheria, 1877.		Temperature,—Fahr.; Mean of Three Daily Observations, — 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10		Average Pressure of Atmosphere, Barometer Reduced to 32° Fahr.
		Number.	Per Cent. of Total.	Average Range. Daily.	Average Range. From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 P. M.	
Year, 1877.		[b] 756	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
More than the Average No. of Deaths.	Oct.	130	17.20	13.71	17.82	[c] 50.83	83	3.59	[d] 2.24	9.44	3.20	3.19	29.077
	Nov.	108	14.29	11.48	13.18	35.24	87	2.22	1.39	10.29	3.60	3.73	29.099
	Sept.	94	12.43	18.97	21.10	[c] 61.28	80	4.82	[d] 3.01	8.67	2.93	1.53	29.121
	Dec.	93	12.30	8.77	10.73	36.57	89	2.39	1.49	10.19	3.17	3.37	29.180
Average		63	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
Less than the Average No. of Deaths.	Feb.	51	6.75	14.79	17.71	[c] 32.31	85	1.85	[d] 1.16	10.52	4.54	4.14	29.124
	Jan.	47	6.22	12.58	16.06	[c] 18.07	91	1.19	[d] .74	10.94	4.87	5.03	29.057
	Aug.	47	6.22	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	29.046
	March	46	6.08	15.29	17.29	[c] 24.51	91	1.53	[d] .96	10.72	5.29	6.06	28.981
	May	41	5.42	16.52	18.13	58.25	66	3.79	2.37	9.31	3.29	2.94	29.056
	July	37	4.89	18.39	20.42	71.43	70	5.76	3.60	8.08	2.71	1.77	29.062
	April	35	4.63	16.13	19.40	[c] 46.16	70	2.47	[d] 1.54	10.14	3.70	4.27	28.974
	June	27	3.57	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	29.020

[a] See foot-note to Exhibit K, page 256.
[b] Excluding 1 in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which the mean temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

Diphtheria.—Five hundred and ninety-three (593) deaths from diphtheria were returned for this State during the year 1877,—4.59 per cent. of the [illegible] This is the largest number ever returned for any year [illegible] T and remarks thereon.) This disease was most [illegible] f the year, 57.94 per cent. of the total number of [illegible] 77 having occurred during the months of Sep- [illegible] and December.

EXHIBIT 15.—CEREBRO-SPINAL MENINGITIS, ETC.—*Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1877, and some coincident Meteorological Conditions.*

Months in Order by Number of Deaths from Cerebro-Spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Greatest First.	Deaths from Cerebro-Spinal Meningitis, etc., 1877.		Temperature.—Fahr.: Mean of Three Daily Observations,—7 A. M., 2 P. M. and 9 P. M.			Humidity of Atmosphere, etc.,—Monthly Averages.		Ozone,—Relative Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Average Range.								Range of Barometer.		
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average Daily.	Average Pressure.
Year, 1877...	136	100.00	15.12	17.53	47.42	80	3.45	3.66	3.33	37.42	1.539	.109	29.066
More than the Av. No. of Deaths.													
Aug...	19	13.97	17.45	19.48	d 68.46	78	5.74	3.42	1.03	6.57	.401	.056	29.046
June...	15	11.03	17.37	19.00	d 65.93	75	5.32	3.17	2.90	3.53	.513	.084	29.020
Jan....	13	9.56	b 12.58	c 16.06	18.07	e 91	f 1.19	g 4.87	g 5.03	1.33	.836	.176	29.057
April..	13	9.56	16.13	19.40	46.16	70	f 2.47	g 3.70	g 4.27	4.14	.789	.110	28.974
Sept...	13	9.56	18.97	21.10	d 61.28	e 80	4.82	2.93	1.53	1.38	.417	.073	h 29.121
Oct.....	13	9.56	b 13.71	17.82	d 50.83	e 83	3.59	3.20	3.19	5.69	.695	.105	h 29.077
Average	11.3	8.33	15.12	17.53	47.42	80	3.45	3.66	3.33	3.12	.765	.109	29.066
Less than the Av. No. of Deaths.													
March.	11	8.09	b 15.29	17.29	d 24.51	91	1.53	5.29	6.06	5.60	1.119	.151	h 28.981
Dec....	11	8.09	8.77	10.73	d 36.57	89	2.39	g 3.17	3.37	1.03	.832	.112	29.189
May...	9	6.61	b 16.52	c 18.13	58.25	e 66	f 3.79	g 3.29	g 2.94	2.23	.676	.083	h 29.056
Nov....	9	6.61	11.48	13.18	d 35.24	87	2.22	g 3.60	3.73	3.67	1.143	.152	29.099
Feb...	5	3.68	14.79	c 17.71	d 32.31	85	1.85	4.54	4.14	.00	1.007	.122	29.124
July...	5	3.68	b 18.33	c 20.42	71.43	e 70	f 5.76	g 2.71	g 1.77	2.25	.655	.088	h 29.062

a See foot-note to Exhibit K, page 256.
b Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
c Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
d Exceptions to the proposition that the Temperature was *lower* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
e Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
f Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
g Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
h Exceptions to the proposition that the Atmospheric Pressure indicated by the barometer, was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Congestive Chills and Intermittent Fever.—Seventy-five (75) deaths from congestive chills were returned as having occurred in Michigan in 1877. The largest number was returned for July and September, the smallest for January, March, and November.

The number of deaths from intermittent fever in 1877 was 53, according to the returns. More than one-third of these were returned for the month of ember. Great range of temperature from day to day seems to sustain a

closer relation to deaths from this disease than any other atmospheric condition shown in Exhibit W..

EXHIBIT U.—CONGESTIVE CHILLS.—*Deaths Returned as having occurred in Michigan from Congestive Chills by Months, during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Congestive Chills, Greatest First.	Deaths from Congestive Chills, 1877.		Temperature, Fahr.: Mean of 3 daily observations, 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Average Range.										Range of Barometer.		
	Number.	Per Cent. of Total.	Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1877.	75	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	37.42	1.539	.109	29.066
More than the Av. No. of Deaths. July	11	14.67	18.39	20.42	71.43	70	5.76	3.60	8.03	2.71	1.77	2.25	[h] .655	[i] .088	[g] 29.062
Sept.	11	14.67	18.97	21.10	61.28	80	4.82	3.01	8.67	2.93	1.53	1.38	[h] .417	[i] .073	29.121
Dec.	9	12.00	[b] 8.77	[c] 10.73	[d] 36.57	89	[e] 2.39	1.49	10.19	3.17	[f] 3.37	1.03	.832	.112	29.180
Aug.	8	10.67	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	6.57	[h] .401	[i] .056	[g] 29.016
Apr.	7	9.33	16.13	19.40	[d] 46.16	70	[e] 2.47	1.54	10.14	[f] 3.70	[f] 4.27	4.14	.789	.110	[g] 28.974
June	7	9.33	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	3.53	[h] .513	[i] .084	[g] 29.020
Average	6.25	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	3.12	.765	.109	29.066
Less than the Av. No. of Deaths. Oct.	6	8.00	13.71	[c] 17.82	[d] 50.83	83	[e] 3.59	2.24	9.44	[f] 3.20	[f] 3.19	5.69	.695	.105	[g] 29.077
Feb.	5	6.67	14.79	[c] 17.71	32.31	85	1.85	1.16	10.52	4.54	4.14	.00	[h] 1.007	[i] .122	[g] 29.124
May	5	6.67	[b] 16.52	[c] 18.13	[d] 58.25	66	[e] 3.79	2.37	9.31	[f] 3.29	[f] 2.94	2.23	.676	.083	29.056
Jan.	2	2.67	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	1.33	[h] .896	[i] .176	29.057
Mar.	2	2.66	[b] 15.29	17.29	24.51	91	1.53	.96	10.72	5.29	6.06	5.60	[h] 1.119	[i] .151	28.981
Nov.	2	2.66	11.48	13.18	35.24	87	2.22	1.39	10.29	[f] 3.60	3.73	3.67	[h] 1.143	[i] .152	[g] 29.099

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[h] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[i] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT X.—TYPHOID FEVER.—*Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Typhoid Fever, Greatest First.	Deaths from Typhoid Fever, 1877. Number.	Deaths from Typhoid Fever, 1877. Per Cent. of Total.	Temperature. Fahr.; Mean of Three Daily Observations, 7 A. M., 2 P. M. and 9 P. M. Average Range. Daily.	Average Range. From Day to Day,—2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,-Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Ozone,—Relative. Maximum = 10. Day,-7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1877..	[b]444	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	37.42	1.539	.109	29.066
More than the Av. No. of Deaths. Oct...	85	19.14	[c] 13.71	17.82	50.83	83	3.59	2.24	9.44	3.20	3.19	5.69	[h] .695	[i] .105	29.077
Sept..	83	18.69	18.97	21.10	61.28	80	4.82	3.01	8.67	2.93	1.53	1.38	[h] .451	[i] .073	29.121
Nov...	58	13.06	[c] 11.48	[d] 13.18	[e] 35.24	87	[f] 2.22	1.39	10.29	3.60	[g] 3.73	3.67	1.143	.152	29.099
Aug...	54	12.16	17.45	19 48	68.46	78	5.74	3.59	8.09	3.42	1.03	6.57	[h] .401	[i] .056	29.046
Dec...	43	9.68	[c] 8.77	[d] 10.73	[e] 36.57	89	[f] 2.39	1.49	10.19	3.17	[g] 3.37	1.03	.832	.112	29.189
Average....	37	8.33	15.12	17.53	47 42	80	3.45	2.16	9.52	3.66	3.33	3.12	.765	.109	29.066
Less than the Average Number of Deaths. Mar...	25	5.63	[c] 15.29	17.29	24.51	91	1.53	.96	10.72	5.29	6.06	5.60	[h] 1.119	[i] .151	28.961
May..	24	5.41	[c] 16.52	[d] 18.13	[e] 58.25	66	[f] 3.79	2.37	9.31	[g] 3.29	[g] 2.94	2.23	.676	.083	29.056
April.	18	4.05	[c] 16.13	[d] 19.40	46.16	70	2.47	1.54	10.14	3.70	4.27	4.14	[h] .789	[i] .110	28.974
July..	18	4.05	[c] 18.39	[d] 20.42	[e] 71.43	70	[f] 5.76	3.60	8.08	[g] 2.71	[g] 1.77	2.25	.655	.088	29.082
Jan....	14	3.15	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	1.33	[h] .896	[i] .176	29.057
Feb...	13	2.93	14.79	[d] 17.71	32.31	85	1.85	1.16	10.52	4.54	4.14	.00	[h] 1.007	[i] .122	29.124
June..	9	2.03	[c] 17.37	[d] 19.00	[e] 65.93	75	[f] 5.32	3.33	8.35	[g] 3.17	[g] 2.90	3.53	.513	.064	29.030

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 2 in unknown month.
[c] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[g] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[h] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[i] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[j] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average when *more* than the average number of deaths occurred, and *vice versa*.

Typhoid Fever.—This disease is reported to have caused 446 deaths in this State in 1877, which is 3.45 per cent. of the deaths from all causes. The largest per cent. is shown for the month of October, and 62.78 per cent. of all the deaths from this disease in 1877 were reported for the four months of August, Septem-

ber, October, and November. Nearly one-quarter of all the decedents from typhoid fever were between the ages of 15 and 25 years. Exhibit X contains meteorological data in connection with the deaths from typhoid fever; and the relation between the deaths from this disease and the atmospheric pressure seems to be closer than any other meteorological condition noticed in the exhibit.

EXHIBIT W.—INTERMITTENT FEVER.—*Deaths returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Intermittent Fever, Greatest First.		Deaths from Intermittent Fever, 1877.		Temperature, Fahr.; Mean of 3 daily observations, 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Average.				Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
				Average Range.										Range of Barometer.		
		Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1877.		53	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	37.42	1.539	.109	29.066
More than Av. No. of Deaths.	Sept..	18	33.96	18.97	21.10	61.28	80	4.82	3.01	8.67	2.93	1.53	1.38	[b] .451	[i] .073	29.121
	Aug..	7	13.21	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	6.57	[h] .401	[i] .056	[g] 29.046
	Feb..	5	9.43	[b] 14.79	17.71	[d] 32.31	85	[e] 1.85	1.16	10.52	[f] 4.54	[f] 4.14	.00	1.007	.122	29.124
Average...		4.42	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	3.12	.765	.109	29.066
Less than the Average No. of Deaths.	June.	4	7.55	[b] 17.37	[c] 19.00	[d] 65.93	75	[e] 5.32	3.33	8.35	[f] 3.17	[f] 2.90	3.53	.513	.084	29.020
	Oct...	4	7.55	13.71	[c] 17.82	[d] 50.83	83	[e] 3.59	2.24	9.44	[f] 3.20	[f] 3.19	5.69	.695	.105	[g] 29.077
	Mar..	3	5.66	[b] 15.29	17.29	24.51	91	1.53	.96	10.72	5.29	6.06	5.60	[h] 1.119	[i] .151	28.981
	April.	3	5.66	[b] 16.13	[c] 19.40	46.16	70	2.47	1.54	10.14	3.70	4.27	4.14	[h] .789	[i] .110	28.974
	May..	3	5.66	[b] 16.52	[c] 18.13	[d] 58.25	66	[e] 3.79	2.37	9.31	[f] 3.29	[f] 2.94	2.23	.676	.083	29.056
	Dec...	3	5.66	8.77	10.73	36.57	89	2.39	1.49	10.19	[f] 3.17	3.37	1.03	[h] .832	[i] .112	[g] 29.180
	July..	2	3.77	[b] 18.39	[c] 20.42	[d] 71.43	70	[e] 5.76	3.60	8.08	[f] 2.71	[f] 1.77	2.25	.655	.088	29.062
	Jan...	1	1.89	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	1.33	[h] .896	[i] .176	29.057
	Nov...	----	------	11.48	13.18	35.24	87	2.22	1.39	10.29	[f] 3.60	3.73	3.67	[h] 1.143	[i] .152	[g] 29.099

[a] See foot-note to Exhibit K, page 256.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[h] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[i] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT 16.—DIARRHEA.—*Deaths in Michigan from Diarrhea in July and August of each of the Years 1872–1877, the Average for Six Years ending with 1877, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.*

JULY AND AUGUST OF EACH OF THE YEARS 1872-1877.		Number of Deaths from Diarrhea.	Temperature.—F.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.—Monthly Averages.		Ozone,—Relative. Maximum =10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury.[b] (Reduced to 32° F.)		
			Average Range.								Range of Barometer.		
			Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains of Vapor, in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly.	Average, Daily.	Average Pressure.
Average	July	61	16.67	19.36	71.89	75	6.37	2.44	2.24	2.969	.511	.183	28.977
	August	105	17.20	19.60	69.27	78	6.08	2.70	1.79	2.596	.519	.163	28.980
1872	July	80	16.45	[d] 19.55	74.91	77	7.33	.88	2.28	3.360	.404	.081	[j] 28.924
	August	145	15.32	17.61	71.22	83	7.15	.98	[i] .99	4.180	.372	.060	[j] 28.967
1873	July	65	15.35	18.68	[e] 70.82	78	6.45	3.59	3.06	5.124	.453	.083	[j] 28.914
	August	105	18.55	21.32	69.49	81	6.29	3.55	2.65	.796	.574	.084	28.927
1874	July	61	17.68	21.35	[e] 72.02	71	6.00	1.80	1.50	2.560	.465	.078	28.907
	August	104	17.23	19.61	[e] 69.39	74	5.75	2.80	1.10	1.278	.503	.065	28.924
1875	July	56	[e] 16.26	[d] 18.26	69.67	[g] 78	5.91	3.52	[i] 3.22	2.420	.584	.096	[j] 29.044
	August	80	[e] 16.90	[d] 18.61	65.48	77	5.22	3.50	[i] 3.70	1.470	.806	.052	[j] 29.025
1876	July	69	15.87	17.90	72.48	78	6.76	2.16	[i] 1.53	[f] 2.100	.507	.070	29.009
	August	98	17.74	20.97	[e] 71.55	76	[h] 6.31	[i] 1.97	1.26	1.280	.459	.061	[j] 29.043
1877	July	55	18.39	20.42	71.43	70	5.76	2.71	1.77	2.250	.655	.088	[j] 29.062
	August	96	17.45	[d] 19.48	68.46	78	5.74	3.42	1.03	[f] 6.570	.401	.056	[j] 29.046

[a] See foot-note to Exhibit K, page 256.

[b] Not corrected for instrumental error previous to 1875. (See Exhibit 12 and remarks thereon, page 251.)

[c] Exceptions to the proposition that the Average Daily Range of Temperature was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[d] Exceptions to the proposition that the Average Range of Temperature "from day to day" was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[e] Exceptions to the proposition that the Average Temperature was *higher* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[f] Exceptions to the proposition that the amount of rain and melted snow was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[g] Exceptions to the proposition that the Average Relative Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[h] Exceptions to the proposition that the Absolute Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[i] Exceptions to the proposition that the Day or Night Ozone was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

[j] Exceptions to the proposition that the Atmospheric Pressure was *more* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

Diarrhea.—During the year 1877, according to the returns, 290 deaths occurred from diarrhea in this State. This is the smallest number returned for any of the years 1869–1877, except 1871 and 1875. In 1877, 2.24 per cent. of all the deaths returned were caused by this disease. The largest per cent. occurred in August, nearly one-third of the total number having been returned for that month; and 83.45 per cent. of the total deaths from diarrhea were of persons under 5 years of age.

Exhibit 16 facilitates the study of this subject by presenting some of the meteorological conditions coincident with the deaths from diarrhea in July and August of each of the years 1872–1877.

EXHIBIT 21.—DIARRHEA.—*Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1877, and some coincident Meteorological conditions at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Months in Order by Number of Deaths from Diarrhea, Greatest First.	Deaths from Diarrhea, 1877.		Temperature,—Degrees Fahr.			Inches of Rain and Melted Snow.	Humidity of Atmosphere. Av. of Obs. at 7 A. M., 2 P. M., and 9 P. M., daily.		Ozone, Relative.—Scale of 10 Degrees of Coloration.		Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Range. Av. Daily, and for Year.								Range of Barometer.		
	Number.	Per Cent. of Total.	Of Observations at 7 A. M., 2 P. M., and 9 P. M., Daily.	During Day and Follow'g Night, by Regist'g Thermometer, Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.		Relative Humidity, or Per Cent. of Saturation.	Absolute Humidity,—Grains of Vapor in a Cubic Foot of Air.[a]	Day Observation,—7 A. M. to 2 P. M.	Night Observation,—9 P. M. to 7 A. M.	Monthly, and for Year.	Average Daily Range of Observations at 7 A. M., 2 P. M., and 9 P. M.	Average Pressure.
Year 1877	[b]289	100.00	15.06	21.74	47.42	37.42	80	3.45	3.66	3.33	1.539	.109	29.066
More than Av. No. of Deaths. August	96	33.22	17.45	27.00	68.46	6.57	78	5.74	3.42	1.03	[i] .401	[j] .056	[k] 29.046
July	55	19.03	18.07	29.06	71.43	2.25	70	5.76	2.71	1.77	[i] .655	[j] .088	[k] 29.062
September	52	17.99	18.97	22.90	61.28	1.38	80	4.82	2.93	1.53	[i] .451	[j] .073	29.121
October	25	8.65	[c] 13.81	[c] 16.27	50.83	5.69	[e] 83	3.59	3.20	3.19	[i] .695	[j] .105	29.077
Average	24	8.30	15.06	21.74	47.42	3.12	80	3.45	3.66	3.33	.765	.109	29.066
Less than the Average No. of Deaths. June	23	7.96	[c] 17.37	[c] 25.26	[d] 65.93	3.53	[e] 75	[f] 5.32	[g] 3.17	[h] 2.90	.513	.084	29.020
November	9	3.11	11.47	12.60	35.24	3.67	87	2.22	[g] 3.60	3.73	[i] 1.143	[j] .152	[k] 29.099
May	7	2.42	[c] 16.52	[c] 27.78	[d] 58.25	2.23	[e] 66	[f] 3.79	[g] 3.29	[h] 2.94	.676	.083	29.056
January	6	2.08	12.26	17.64	18.07	1.33	91	1.19	4.87	5.03	[i] .896	[j] .176	29.057
April	6	2.08	[c] 16.13	[c] 25.43	46.16	4.14	[e] 70	2.47	3.70	4.27	[i] .789	[j] .110	28.974
December	4	1.38	8.77	12.45	36.57	1.03	89	2.39	[g] 3.17	3.37	[i] .832	[j] .112	[k] 29.180
February	3	1.04	14.86	20.47	32.31	0.00	85	1.85	4.54	4.14	[i] 1.607	[j] .122	[k] 29.124
March	3	1.04	[c] 15.19	[c] 24.06	24.51	5.60	91	1.53	5.29	6.06	[i] 1.119	[j] .151	28.981

[a] See foot-notes to Exhibit K, page 256.
[b] Excludes 1 in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea
[Foot notes to Exhibit 21 continued at bottom of page 266.]

Dysentery.—There were 221 deaths from dysentery returned for the year 1877. A very large proportion occurred during the summer months, as was the case with diarrhea; and 34.84 per cent. were returned for the month of August. Table XXI shows the number of deaths from this disease by geographical divisions of the State. The largest per cent. shown in this table is in the northern-central division of the State, the smallest in the northwestern division.

TABLE XXI.—*Exhibiting for the State and for Eleven Geographical Divisions of the State, during the Year 1877, the Number of Deaths Returned as having occurred from Diarrhea and from Dysentery, and the Per Cent. of Deaths from each Disease to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	Diarrhea, 1877, Acute and Chronic.		Dysentery, 1877, Acute and Chronic.	
	Number of Deaths, 1877.	Per Cent. of Deaths from All Causes, by Geographical Divisions.	Number of Deaths, 1877.	Per Cent. to Deaths from All Causes, by Geographical Divisions.
STATE	290	2.24	221	1.71
Upper-peninsular	20	2.92	8	1.17
Northwestern	7	2.40	2	.68
Northern	2	1.19	2	1.19
Northeastern	6	6.45	1	1.08
Western	36	2.78	26	2.01
Northern-central	6	2.73	6	2.73
Bay and Eastern	51	2.81	25	1.38
Central	17	.89	53	2.79
Southwestern	------	------	9	1.01
Southern-central	10	.40	30	1.18
Southeastern	135	4.46	59	1.95

[a] For counties included in each Division, see page 158.

occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa.*

[e] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa.*

[f] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa.*

[g] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Amount of Ozone in the Atmosphere, as indicated by the Day observations, was *less* than the average, and *vice versa.*

[h] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Amount of Ozone in the Atmosphere, as indicated by the Night observations, was *less* than the average, and *vice versa.*

[i] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Monthly Range of Barometer was *greater* than the average, and *vice versa.*

[j] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Range of Barometer was *greater* than the average, and *vice versa.*

[k] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was *greater* than the average, and *vice versa.*

EXHIBIT 19.—RHEUMATISM.—*Deaths in Michigan from Rheumatism during the Year 1877, and some Meteorological conditions existing at the same time.*

Months in Order by Number of Deaths from Rheumatism, Greatest First.	Deaths.		Temperature, Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Range of Barometer.		Barometer Reduced to 32° Fahr.,—Average.
			Average Range.											
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Temperature.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 9 P. M.	Night,—9 P. M. to 7 A. M.	Monthly, and Year.	Average, Daily.	
Year, 1877....	72	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	1.539	.109	29.066
More than the Av. Number of Deaths. March..	9	12.50	15.29	17.29	24.51	91	[b] 1.53	.96	10.72	[c] 5.29	[c] 6.06	1.119	.151	[d] 28.981
Nov.....	9	12.50	11.48	13.18	35.24	87	[b] 2.22	1.39	10.29	3.60	[c] 3.73	1.143	.152	29.099
Aug.....	8	11.11	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	.401	.056	[d] 29.046
Sept....	8	11.11	18.97	21.10	61.28	80	4 82	3.01	8.67	2.93	1.53	.451	.073	29.121
Dec.....	8	11.11	8.77	10.73	36.57	89	[b] 2.39	1.49	10.19	3.17	3.37	.832	.112	29.180
May....	7	9.72	16.52	18.13	58.25	66	3.79	2.37	9.31	3.29	2 94	.676	.083	[d] 29,056
Average.....	6	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	.765	.109	29.066
Less than the Av. Number of Deaths. Jan.....	6	8.33	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	.896	.176	29.057
April...	5	6.94	16.13	19.40	46.16	70	2 47	1 54	10.14	3.70	4.27	.789	.110	28.974
July....	5	6.94	18.39	20.42	71.43	70	[b] 5.76	3.60	8.08	[c] 2.71	[c] 1.77	.655	.088	29.062
Feb.....	3	4.17	14.79	17.71	32.31	85	1.85	1.16	10.52	4.54	4.14	1.007	.122	[d] 29.124
June....	2	2.78	17.37	19.00	65.93	75	[b] 5.32	3.33	8.35	[c] 3.17	[c] 2.90	.513	.084	29.020
Oct.....	2	2.78	13.71	17.82	50.83	83	[b] 3.59	2.24	9.44	[c] 3.20	[c] 3.19	.695	.105	[d] 29.077

[a] See foot-notes to Exhibit K, page 256.

[b] Exceptions to the proposition that the air contains *more* than the average amount of vapor of water in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

[c] Exceptions to the proposition that there was *less* than the average Ozone in the air in months when *more* than the average number of death from Rheumatism occurred, and *vice versa*.

[d] Exceptions to the proposition that the Atmospheric Pressure was *greater* than the average in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*

Scarlet Fever.—There were 404 deaths from scarlet fever returned for 1877, which is 3.13 per cent. of the deaths from all causes. This is the smallest number of deaths returned from this disease for any of the years 1869–1877, except 1869 and 1876. December shows the largest proportion of any month of 1877, and 88.36 per cent. of the total number of decedents from scarlet fever in 1877 were under ten years of age.

EXHIBIT Y.—SCARLET FEVER.—*Deaths from Scarlet Fever returned as having occurred in Michigan during the year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Scarlet Fever, Greatest First.	Deaths from Scarlet Fever, 1877.		Temperature,—F.; Mean of three daily observations,—7 A. M., 2 P.M., and 9 P.M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
YEAR, 1877	404	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
More than Av. No. of Deaths. December	46	11.39	8.77	10.73	36.57	89	2.39	1.49	10.19	3.17	3.37	29.180
May	40	9.90	16.52	18.13	b 58.25	66	c 3.79	2.37	9.31	3.29	2.94	29.056
June	35	8.66	17.37	19.00	b 65.93	75	c 5.32	3.33	8.35	3.17	2.90	29.020
October	35	8.66	13.71	17.82	b 50.83	83	c 3.59	2.24	9.44	3.20	3.19	29.077
Average	34	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
Less than the Average No. of Deaths. February	33	8.17	14.79	17.71	b 32.31	85	c 1.85	1.16	10.52	4.54	4.14	29.124
April	33	8.17	16.13	19.40	b 46.16	70	c 2.47	1.54	10.14	3.70	4.27	28.974
January	32	7.92	12.58	16.06	b 18.07	91	c 1.19	.74	10.94	4.87	5.03	29.057
August	32	7.92	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	29.046
March	31	7.67	15.29	17.29	b 24.51	91	c 1.53	.96	10.72	5.29	6.06	28.981
November	30	7.43	11.48	13.18	b 35.24	87	c 2.22	1.39	10.29	3.60	3.73	29.099
September	29	7.18	18.97	21.10	61.28	80	4.82	3.01	8.67	2.83	1.53	29.121
July	28	6.93	18.39	20.42	71.43	70	5.76	3.60	8.08	2.71	1.77	29.062

[a] See foot-notes to Exhibit K, page 256.
[b] Exceptions to the proposition that the Temperature was *lower* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.
[c] Exceptions to the proposition that the Absolute Humidity of the Atmosphere was *less* than the average in months when *more* than the average number of deaths from Scarlet Fever occurred, and *vice versa*.

Consumption.—The number of deaths reported from consumption in Michigan in 1877 was 1,664,—12.88 per cent. of the deaths from all causes. This is the largest number of deaths ever returned as having occurred in this State from this or any other cause. More females than males die from consumption in Michigan annually, as shown by the returns for each of the years 1869–1877. A larger number occurred in May than in any other month of the year 1877, and the least number is shown for July, although the number of deaths is quite evenly distributed throughout several months of the year. Exhibit O shows the relation between the number of deaths from consumption in 1877 and some of the coincident meteorological conditions.

EXHIBIT O.—CONSUMPTION.—*Deaths from Consumption Returned as having occurred in Michigan during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Consumption, Greatest First.		Deaths fom Consumption, 1877.		Temperature,—Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
				Average Range.									
		Number.	Per Cent. of Total.	Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1877		[b] 1,656	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
More than the Average Number of Deaths.	May	166	10.02	16.52	18.13	58.25	66	3.79	2.37	9.31	3.29	2.94	29.056
	April	164	9.90	16.13	19.40	[c] 46.16	70	2.47	[d] 1.54	10.14	3.70	4.27	28.974
	Dec.	153	9.24	8.77	10.73	[c] 36.57	89	2.39	[d] 1.49	10.19	3.17	3.37	29.180
	March	147	8.88	15.29	17.29	[c] 24.51	91	1.53	[d] .96	10.72	5.29	6.06	28.981
	Aug.	147	8.88	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	29.046
	June	145	8.76	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	29.020
	Feb.	139	8.39	14.79	17.71	[c] 32.31	85	1.85	[d] 1.16	10.52	4.54	4.14	29.124
Average		138	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
Less than the Av. No. of Deaths.	Nov.	128	7.73	11.48	13.18	35.24	87	2.22	1.39	10.29	3.60	3.73	29.099
	Sept.	126	7.61	18.97	21.10	[c] 61.28	80	4.82	[d] 3.01	8.67	2.93	1.53	29.121
	Oct.	124	7.49	13.71	17.82	[c] 50.83	83	3.59	[d] 2.34	9.44	3.20	3.19	29.077
	Jan.	111	6.70	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	29.057
	July	106	6.40	18.39	20.42	[c] 71.43	70	5.76	[d] 3.60	8.08	2.71	1.77	29.062

[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 8 in unknown month.
[c] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

EXHIBIT N.—CONSUMPTION.—*By Sex, the Number of Deaths in Michigan from Consumption during the Year 1877, by Months Equalized to Uniform length of 30.44 days each; also the Average Number per Month. (Deaths in unknown month excluded.)*

SEX.	TOTAL.	DEATHS FROM CONSUMPTION IN 1877, BY MONTHS OF EQUAL LENGTH.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Av.
Total....	* 1,659	109	151	144	166	163	147	104	144	128	122	130	151	138.25
Males....	726	50	58	61	86	74	64	47	54	64	44	52	72	60.50
Females.	933	59	93	83	80	89	83	57	90	64	78	78	79	77.75

* Including 3 deaths gained in equalizing, and excluding 8 deaths in unknown month. The number of deaths from consumption, as returned, is 1,664.

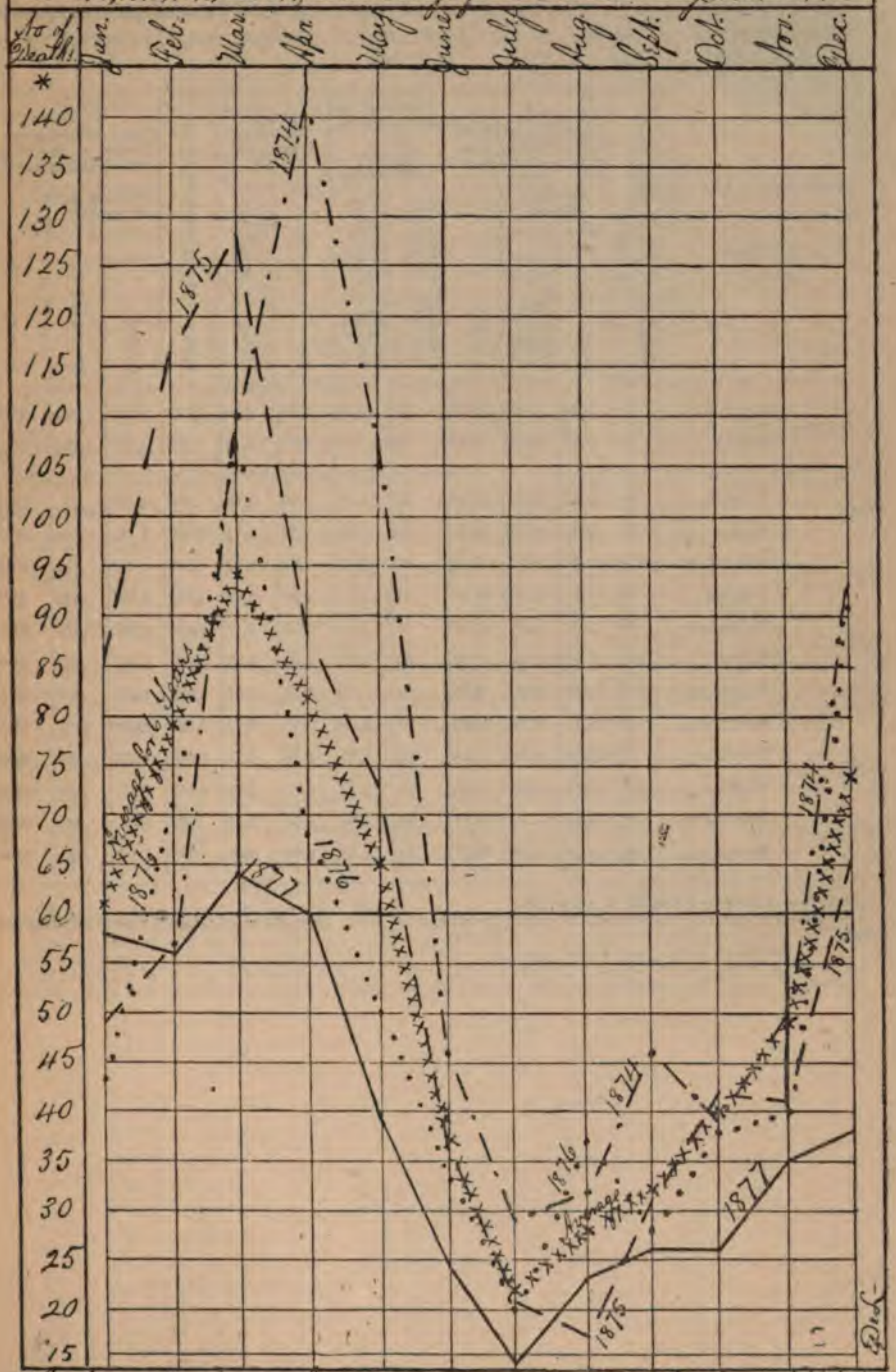
Pneumonia.—Four hundred and sixty-five (465) deaths from this disease were reported for the year 1877. This is the largest number returned from pneumonia since 1871. The largest proportion of deaths from this disease in 1877 occurred in March, as shown by Exhibit P, although the proportions in the several months are quite uniform throughout the year.

EXHIBIT 17.—PNEUMONIA.—*By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1872–1877, and the average for Six Years ending with 1877.*

YEARS.	TOTALS.	DEATHS FROM PNEUMONIA, 1872–1877.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1872.....	641	46	64	75	79	53	28	26	31	29	56	63	89	2
1873.....	706	84	110	80	58	65	55	20	29	34	37	65	68	1
1874.....	800	49	57	108	141	103	46	29	32	46	39	50	93	2
1875.....	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876.....	660	43	71	107	68	50	33	20	37	28	38	40	91	1
1877.....	465	58	56	64	60	39	24	14	23	26	26	35	38	2
Av. for 6 y'rs	670	61	79	94	82	65	37	22	28	32	40	49	74	2

Diagram No. 9.

Deaths Returned as having occurred in Michigan from Pneumonia in 1874, 1875, 1876, and 1877, and Average for 6 Years ending with 1877.



*Scale = 19 to the inch.

Designed by Henry B. Baker

EXHIBIT 18.—PNEUMONIA.—*Deaths Returned as having Occurred in Michigan from Pneumonia in February and March of each of the Years 1872–1877, the Average for the Six Years ending with 1877, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.*

February and March of each of the Years 1872-1877.		Number of Deaths from Pneumonia.	Temperature,—F.; Mean of 3 Daily Observations—7 A. M., 2 P. M., and 9 P. M. Average Range. Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor, in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum = 10. Day,—7 A. M. to 9 P. M.	Night,—9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury.[b] (Reduced to 32° F.) Range of Barometer. Monthly.	Average, Daily.	Average Pressure.
Average	February	79	15.84	18.66	22.33	88	1.40	4.97	6.00	1.341	1.101	.164	28.947
	March	94	14.77	16.90	27.77	85	1.63	4.86	6.13	1.996	1.279	.176	28.902
1872	February	64	20.41	23.21	21.34	84	1.23	4.00	6.00	.490	1.107	.111	28.842
	March	75	17.32	19.97	24.75	85	1.32	3.00	5.71	2.040	1.121	.166	28.911
1873	February	110	14.61	18.71	19.10	91	1.43	4.21	5.93	.770	.842	.197	28.847
	March	80	14.16	16.61	28.30	71	1.52	4.09	5.80	1.730	1.307	.218	28.852
1874	February	57	12.32	14.07	25.51	89	1.55	5.53	6.10	1.550	1.357	.171	28.928
	March	108	13.52	16.45	32.30	83	2.00	5.00	6.00	1.786	1.081	.133	28.295
1875	February	116	20.14	21.57	8.35	94	.73	5.78	6.57	2.198	1.231	.206	28.875
	March	128	15.48	16.68	26.20	87	1.63	5.70	6.19	1.020	1.231	.163	28.844
1876	February	71	12.76	16.66	27.38	84	1.59	5.76	7.27	3.040	1.033	.176	29.063
	March	107	12.84	14.39	30.55	95	1.78	6.06	7.00	4.840	1.812	.223	28.929
1877	February	56	14.79	17.71	32.31	85	1.85	4.54	4.14	.000	1.007	.122	29.124
	March	64	15.29	17.29	24.51	91	1.53	5.29	6.06	.560	1.119	.151	28.961

[a] See foot-notes to Exhibit K, page 256.
[b] Not corrected for instrumental error previous to 1875. (See Exhibit 12 and remarks thereon, page 251.)

EXHIBIT P.—PNEUMONIA.—*Deaths from Pneumonia, returned as having occurred in Michigan during the Year 1877, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Pneumonia, Greatest First.	Deaths from Pneumonia, 1877.		Temperature,—Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1877	[b]463	100.00	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
More than the Av. No. of Deaths.												
March	64	13.82	15.29	17.29	24.51	91	1.53	.96	10.72	5.29	6.06	28.981
April	60	12.96	16.13	19.40	46.16	70	2.47	1.54	10.14	3.70	4.27	28.974
January	58	12.53	12.58	16.06	18.07	91	1.19	.74	10.94	4.87	5.03	29.057
February	56	12.10	14.79	17.71	32.31	85	1.85	1.16	10.52	4.54	4.14	29.124
May	39	8.42	16.52	18.13	[c] 58.25	66	3.79	[d] 2.37	9.31	3.29	2.94	29.056
Average	38.6	8.33	15.12	17.53	47.42	80	3.45	2.16	9.52	3.66	3.33	29.066
Less than the Average No. of Deaths.												
December	38	8.21	8.77	10.73	[c] 36.57	89	2.39	[d] 1.49	10.19	3.17	3.37	29.180
November	35	7.56	11.48	13.18	[c] 35.24	87	2.22	[d] 1.39	10.29	3.60	3.73	29.099
September	26	5.62	18.97	21.10	61.28	80	4.82	3.01	8.67	2.93	1.53	29.121
October	26	5.62	13.71	17.82	50.83	83	3.59	2.24	9.44	3.20	3.19	29.077
June	24	5.18	17.37	19.00	65.93	75	5.32	3.33	8.35	3.17	2.90	29.020
August	23	4.97	17.45	19.48	68.46	78	5.74	3.59	8.09	3.42	1.03	29.046
July	14	3.02	18.39	20.42	71.43	70	5.76	3.60	8.08	2.71	1.77	29.062

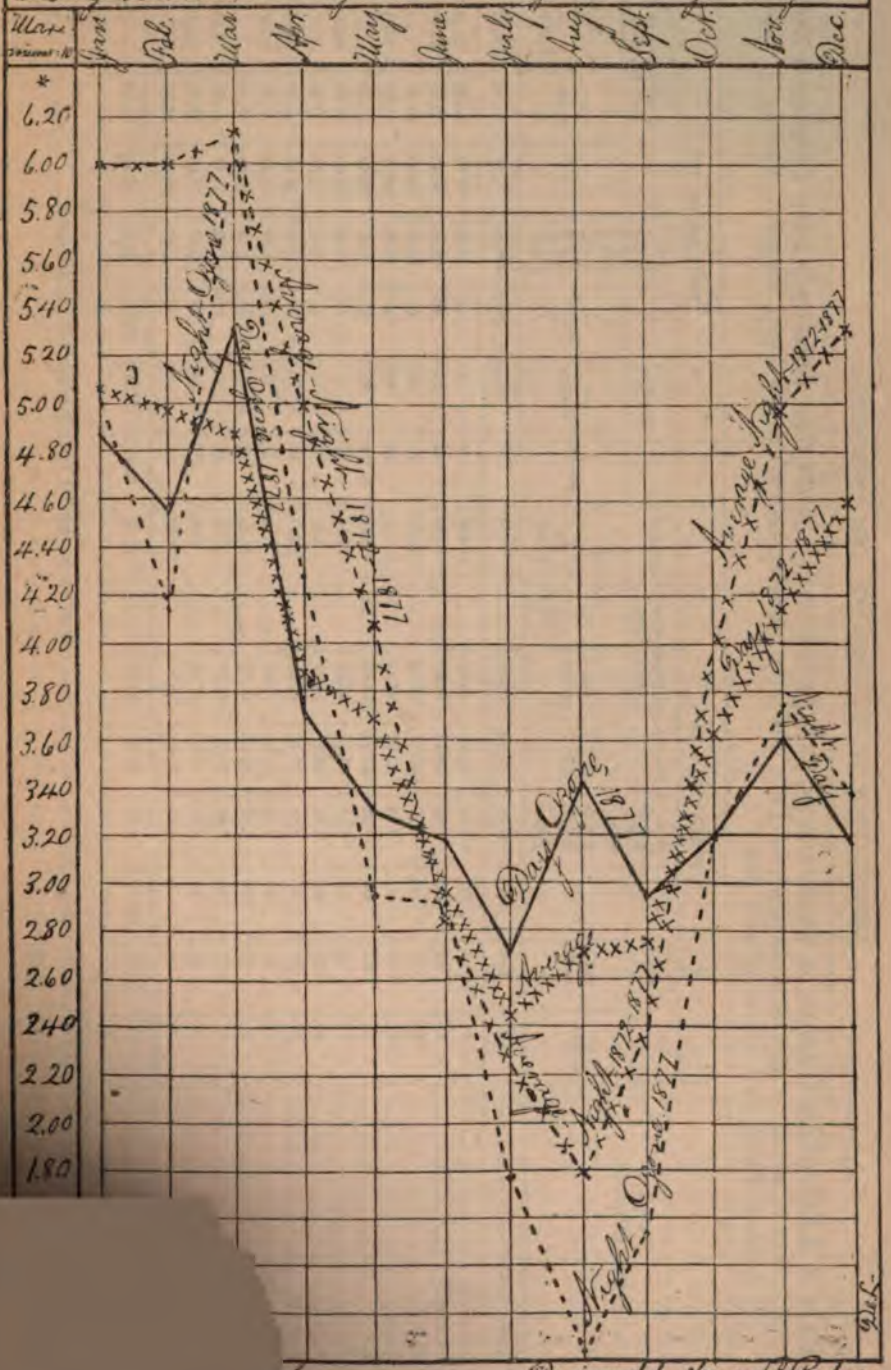
[a] See foot-notes to Exhibit K, page 256.
[b] Excluding 2 in unknown month.
[c] Exceptions to the proposition that the Temperature was *greater* than the average in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.

EXHIBIT 20—*Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.,—Night Observations,—by Months, during the Years 1872, 1873, 1874, 1875, 1876, and 1877, and the Average for 6 years ending with 1877; also, the Average for 6 years ending with 1877, from 7 A. M. to 2 P. M.,—Day Observations,—at Agricultural College, near Lansing, Michigan.*

YEARS.		Annual Average.	OZONE OBSERVATIONS, BY MONTHS.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day	1872	2.82	4.50	4.00	3.00	2.63	2.14	1.91	.88	.98	1.40	1.93	4.60	5.81
	1873	4.02	5.06	4.21	4.00	3.76	4.58	3.26	3.59	3.55	2.30	4.52	4.30	4.97
	1874	4.10	5.10	5.53	5.00	5 70	5.80	3.50	1.80	2.80	2.90	3.32	3.80	4.00
	1875	4.53	5.52	5.78	5.70	3.73	3.19	3.96	3.52	3.50	4.30	5.30	4 90	5.00
	1876	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2.16	1.97	2.60	3.45	3.57	4.57
	1877	3.66	4.87	4.54	5.29	3.70	3.29	3.17	2.71	3.42	2.93	3.20	3.60	3.17
Av. for 6 years		3 80	5.06	4.97	4.86	3.87	3.68	2.95	2.44	2.70	2.74	3.62	4.13	4.59
Night	1872	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.84
	1873	4.63	6.32	5.93	5.80	4.27	4.59	2.66	3.06	2.65	4.27	4.69	5.47	5.89
	1874	3.99	6.39	6.10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	3.01	4.50	4.20
	1875	5.04	5.93	6.57	6.19	3.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.70
	1876	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.26	1.73	3.48	3.33	4.81
	1877	3.33	5.03	4.14	6.06	4.27	2.94	2.90	1.77	1.03	1.53	3.19	3.73	3.37
Av. for 6 years		4.22	6.00	6.00	6.13	4 99	4.07	2.84	2.24	1.79	2.38	3.96	4.97	5.30

Diagram No. 10.

Relative Amount of Ozone in the from 9 PM to 7 AM - Night Observations - and from 7 AM to 2 PM - Day Observations - in 1877, and the Average for 6 Years ending with 1877, at the Agricultural College near Lansing, Michigan.



Designed by Henry B. Baker.

CORRELATION OF CONSUMPTION AND PNEUMONIA.

TABLE XXII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Deaths from Consumption and Pneumonia Returned as having occurred in Michigan during the Year 1877, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent. of Total, and Excess of each Sex.*

MONTHS, 1877.	CONSUMPTION, 1877.								PNEUMONIA, 1877.							
	Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.				Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.
Year, 1877	726	938	1,664	100.00	43.63	56.37	.....	12.74	263	202	465	100.00	56.56	43.44	13.12	.....
January	b 51	b 60	b 111	6.67	45.95	54.05	.....	8.10	b 36	b 22	b 58	12.47	62.07	37.93	24.14	.....
February	b 53	86	139	8.35	38.13	61.87	.....	23.74	b 34	22	56	12.04	60.71	39.29	21.42	.....
March	62	85	147	8.83	42.18	57.82	.....	15.64	31	33	64	13.76	48.44	51.56	.....	3.12
April	85	79	164	9.86	51.83	48.17	3.66	.....	34	26	60	12.90	56.67	43.33	13.34	.....
May	b 75	91	166	9.98	45.18	54.82	.....	9.64	b 19	20	39	8.39	48.72	51.28	.....	2.56
June	b 63	b 82	b 145	8.71	43.45	56.55	.....	13.10	b 15	b 9	b 24	5.16	62.50	37.50	25.00	.....
July	48	58	106	6.37	45.28	54.72	.....	9.44	6	8	14	3.01	42.86	57.14	.....	14.28
August	55	b 92	b 147	8.83	37.42	62.59	.....	25.17	13	b 10	b 23	4.95	56.52	43.48	13.04	.....
September	b 63	63	126	7.57	50.00	50.00	.....	.....	b 16	10	26	5.59	61.54	38.46	23.08	.....
October	45	b 79	124	7.45	36.29	63.71	.....	27.42	12	b 14	26	5.59	46.15	53.85	.....	7.70
November	51	77	128	7.69	39.84	60.16	.....	20.32	19	16	35	7.53	54.29	45.71	8.58	.....
December	73	b 80	b 153	9.19	47.71	52.29	.....	4.58	27	b 11	b 38	8.17	71.05	28.95	42.10	.....
Unknown	2	6	8	.48	25.00	75.00	.....	50.00	1	1	2	.43	50.00	50.00	.....	.....
Average[a]	60.33	77.67	138.00	8.33	43.72	56.28	.....	12.56	21.83	16.75	38.58	8.33	43.42	56.58	.....	13.16

[a] Excluding deaths in unknown months.
[b] *Less* than the average number of deaths from Consumption, and *more* than the average number from Pneumonia, or *vice versa*.

TABLE XXIII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Exhibiting the Number and Per Cent. of Deaths of each Sex, the difference between the Sexes, and the Per Cent. of Total Deaths at each Period of Age from Consumption and Pneumonia, in Michigan, during the Year 1877, according to the Returns.*

Ages in Periods of Years, 1877.	Consumption, 1877.								Pneumonia, 1877.							
	Number.			Per Ct. of Deaths at each Age to Deaths at All Ages.	Per Cent. of the Sexes.				Number.			Per Ct. of Deaths at each Age to Deaths at All Ages.	Per Cent. of the Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	Total.		Males.	Females	Excess. Males.	Excess. Females.
All Ages, 1877	726	938	1,664	100.00	43.63	56.37	.....	12.74	263	202	465	100.00	56.56	43.44	13.12	.....
Under 5	47	a 50	97	5.83	48.45	51.55	b	3.10	100	a 80	180	38.71	55.56	44.44	11.12	b
5 to 10	6	12	18	1.08	33.33	66.67	b	33.34	12	9	21	4.52	57.14	42.86	14.28	b
10 to 15	9	23	32	1.92	28.13	71.88	.....	43.75	5	5	10	2.15	50.00	50.00	.....	.....
15 to 20	39	a 108	a 147	8.83	26.53	73.47	b	46.94	11	a 6	a 17	3.66	64.71	35.29	29.42	b
20 to 25	a 86	a 138	a 224	13.46	38.39	61.61	.....	23.22	a 5	a 7	a 12	2.58	14.67	58.33	.....	16.66
25 to 30	a 79	a 141	a 220	13.22	35.91	64.09	b	28.18	a 13	a 10	a 23	4.95	56.52	43.48	13.04	b
30 to 35	a 74	a 95	a 169	10.16	43.79	56.21	b	12.42	a 5	a 7	a 12	2.58	41.67	58.33	b	16.66
35 to 40	a 54	a 68	a 122	7.33	44.26	55.74	b	11.48	a 8	a 8	a 16	3.44	50.00	50.00	b	.....
40 to 45	40	54	94	5.65	42.55	57.45	.....	14.90	11	10	21	4.51	52.38	47.62	4.76	.....
45 to 50	a 45	39	84	5.05	53.57	46.43	7.14	.....	a 15	8	23	4.94	65.22	34.78	30.44	.....
50 to 55	a 45	34	79	4.75	56.96	43.04	13.92	.....	a 7	5	12	2.58	58.33	41.67	16.66	.....
55 to 60	a 46	43	89	5.35	51.69	48.31	3.38	b	a 14	11	25	5.38	56.00	44.00	12.00	b
60 to 65	38	45	83	4.99	45.78	54.22	b	8.44	9	11	20	4.30	45.00	55.00	b	10.00
65 to 70	49	30	79	4.75	62.03	37.97	24.06	.....	17	5	22	4.73	77.27	22.73	54.54	.....
70 to 75	31	20	51	3.06	60.78	39.22	21.56	b	8	9	17	3.66	47.06	52.94	b	5.88
75 to 80	19	13	32	1.92	59.38	40.63	18.75	b	11	9	20	4.30	55.00	45.00	10.00	b
80 and over	6	6	12	.72	50.00	50.00	.....	.....	6	1	7	1.51	85.71	14.29	71.42	.....
Unknown	13	19	32	1.92	40.63	59.38	b	18.75	6	1	7	1.51	85.71	14.29	71.42	b
Average. c	41.94	54.06	96.00	5.77	43.69	56.31	.....	12.62	15.12	11.82	26.94	57.94	56.12	43.88	12.24	.....

a *More* than an average number and per cent. of deaths from Consumption and *less* than an average number and per cent. of deaths from Pneumonia, and *vice versa*. b *More* than an average proportion of *males* from Consumption and *less* than an average proportion of males from Pneumonia, and *vice versa*. c Of 17 periods of 5 years each, unknown ages excluded.

TABLE XXIV.—*Exhibiting, for the State and Eleven Geographical Divisions, in 1877, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also, the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1877.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
STATE[b]	Total	12,919	1,664	12.88	465	3.60	446	3.45	53	.41	290	2.24
	Males	6,827	726	10.63	263	3.85	234	3.43	30	.44	152	2.23
	Females	6,040	938	15.53	202	3.34	212	3.51	23	.38	136	2.25
	Unk'n	52	------	------	------	------	------	------	------	------	2	3.85
Upper-peninsular	Total	685	52	7.59	20	2.92	8	1.17	1	.15	20	2.92
	Males	377	24	6.37	10	2.65	3	.80	1	.27	9	2.39
	Females	297	28	9.43	10	3.37	5	1.68	------	------	11	3.70
	Unk'n	11	------	------	------	------	------	------	------	------	------	------
North-western	Total	292	32	10.96	10	3.42	12	4.11	2	.68	7	2.40
	Males	158	12	7.59	5	3.16	7	4.43	1	.63	4	2.53
	Females	134	20	14.93	5	3.73	5	3.73	1	.75	3	2.24
Northern	Total	168	8	4.76	3	1.79	3	1.79	------	------	2	1.19
	Males	95	4	4.21	2	2.11	3	3.16	------	------	------	------
	Females	72	4	5.56	1	1.39	------	------	------	------	1	1.39
	Unk'n	1	------	------	------	------	------	------	------	------	1	100.00
North-eastern	Total	93	12	12.90	1	1.08	------	------	------	------	6	6.45
	Males	54	5	9.26	1	1.85	------	------	------	------	4	7.41
	Females	39	7	17.95	------	------	------	------	------	------	2	5.13
Western	Total	1,296	175	13.50	46	3.55	46	3.55	2	.15	36	2.78
	Males	690	73	10.58	19	2.75	21	3.04	1	.14	17	2.46
	Females	598	102	17.06	27	4.52	25	4.18	1	.17	19	3.18
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Northern-central	Total	220	36	16.36	8	3.64	10	4.55	------	------	6	2.73
	Males	116	19	16.38	3	2.59	5	4.31	------	------	2	1.72
	Females	104	17	16.35	5	4.81	5	4.81	------	------	4	3.85

[a] For counties included in each Division, see page 158.
[b] For counties and townships from which no returns of deaths in 1877 were received, see Exhibit H, page 132; for those in which no deaths occurred, see Exhibit I, page 145.

TABLE XXIV.—CONTINUED.

GEOGRAPHICAL DIVISIONS.*	SEX.	All Causes, 1877.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Bay and Eastern	Total	1,812	220	12.14	61	3.37	63	3.48	13	.72	51	2.81
	Males	932	82	8.80	37	3.97	37	3.97	6	.64	24	2.58
	Females	872	138	15.83	24	2.75	26	2.98	7	.80	27	3.10
	Unk'n	8	------	------	------	------	------	------	------	------	------	------
Central	Total	1,902	257	13.51	95	4.99	82	4.31	5	.26	17	.89
	Males	1,000	112	11.20	57	5.70	43	4.30	3	.30	13	1.30
	Females	892	145	16.27	38	4.26	39	4.37	2	.22	4	.45
	Unk'n	10	------	------	------	------	------	------	------	------	------	------
South-western	Total	891	121	13.58	52	5.84	40	4.49	6	.67	------	------
	Males	461	58	12.58	34	7.38	21	4.56	3	.65	------	------
	Females	428	63	14.72	18	4.21	19	4.44	3	.70	------	------
	Unk'n	2	------	------	------	------	------	------	------	------	------	------
Southern-Central	Total	2,532	363	14.34	89	3.52	95	3.75	6	.24	10	.39
	Males	1,307	145	11.09	47	3.60	43	3.26	5	.38	9	.69
	Females	1,223	218	17.83	42	3.43	52	4.25	1	.08	1	.08
	Unk'n	2	------	------	------	------	------	------	------	------	------	------
South-eastern	Total	3,028	388	12.81	80	2.64	87	2.87	18	.59	135	4.46
	Males	1,637	192	11.73	48	2.93	51	3.12	10	.61	70	4.28
	Females	1,381	196	14.19	32	2.32	36	2.61	8	.58	64	4.63
	Unk'n	10	------	------	------	------	------	------	------	------	1	10.00

* For counties included in each Division, see page 158.

TABLE XXV.—*Exhibiting, for the State, and by Counties, for the Year 1877, the Number of Deaths from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND COUNTIES.	All Causes, 1877.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Dea's.	Per Cent. to Deaths from All Causes.
State	12,919	1,664	12.88	465	3.60	446	3.45	53	.41	290	2.24
Alcona	11	1	9.09	.....	.....	.....	.....	.....	.....	.....	.....
Allegan	249	32	12.85	22	8.84	12	4.82	4	1.61	.....	.....
Alpena	35	5	14.29	.....	.....	.....	.....	.....	.....	2	5.71
Antrim	52	1	1.92	2	3.85	3	5.77	.....	.....	.....	.....
Baraga	20	.....	.....	1	5.00	.....	.....	.....	.....	.....	.....
Barry	216	29	13.43	17	7.87	6	2.78	.....	.....	2	.93
Bay	287	24	8.36	7	2.44	10	3.48	2	.70	8	2.79
Benzie	32	5	15.63	3	9.38	.....	.....	.....	.....	.....	.....
Berrien	258	38	14.73	10	3.88	13	5.04	2	.78	.....	.....
Branch	281	39	13.88	11	3.91	9	3.20	1	.36	.....	.....
Calhoun	330	52	15.76	7	2.12	15	4.55	1	.30	2	.61
Cass	166	19	11.45	8	4.82	10	6.02	.....	.....	.....	.....
Charlevoix	32	4	12.50	.....	.....	.....	.....	.....	.....	2	6.25
Cheboygan	28	2	7.14	1	3.57	.....	.....	.....	.....	.....	.....
Chippewa	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clare	18	.....	.....	.....	.....	2	11.11	.....	.....	.....	.....
Clinton	182	23	12.64	9	4.95	11	6.04	.....	.....	1	.55
Delta	50	4	8.00	4	8.00	.....	.....	.....	.....	.....	.....
Eaton	215	34	15.81	9	4.19	7	3.26	.....	.....	.....	.....
Emmet	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Genesee	268	23	8.58	18	6.72	8	2.99	.....	.....	4	1.49
Gladwin	8	.....	.....	1	12.50	2	25.00	.....	.....	.....	.....
G. Traverse	67	6	8.96	2	2.99	5	7.46	.....	.....	.....	.....
Gratiot	145	21	14.48	1	.69	8	5.52	1	.69	.....	.....
Hillsdale	287	46	16.03	9	3.14	13	4.53	1	.35	1	.35
Houghton	253	22	8.70	3	1.19	3	1.19	1	.40	12	4.74
Huron	87	11	12.64	3	3.45	.....	.....	.....	.....	1	1.15
Ingham	181	31	17.13	6	3.31	7	3.87	1	.55	1	.55
Ionia	211	35	11.85	6	2.84	6	2.84	1	.47	3	1.42
Iosco	28	5	17.86	1	3.57	.....	.....	.....	.....	3	10.71
Isabella	72	17	23.61	2	2.78	5	6.94	.....	.....	2	2.78
Isle Royal.[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	366	46	12.57	18	4.92	7	1.91	1	.27	3	.82
Kalamazoo	317	50	15.77	12	3.79	8	2.52	1	.32	2	.63
Kalkaska	18	1	5.56	.....	.....	.....	.....	.....	.....	.....	.....
Kent	633	93	14.69	12	1.90	23	3.63	1	.16	26	4.11
Keweenaw	66	1	1.52	1	1.52	2	3.03	.....	.....	1	1.52
Lake	20	4	20.00	3	15.00	1	5.00	.....	.....	.....	.....
Lapeer	229	22	9.61	15	6.55	14	6.11	2	.87	5	2.18
Leelanaw	48	4	8.33	3	6.25	.....	.....	.....	.....	1	2.08
Lenawee	390	43	11.03	13	3.33	21	5.38	1	.26	1	.26
[illegible]	182	28	15.38	9	4.95	13	7.14	.....	.....	3	1.65

[illegible]rns of deaths to this Department.

TABLE XXV.—CONTINUED.

COUNTIES.	All Causes, 1877.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Dea's.	Per Cent. to Deaths from All Causes.
Mackinac	16	6	37.50	.....	.....	.....	.....	.....	.....	2	12.50
Macomb	269	39	14.50	5	1.86	5	1.86	.....	.....	6	2.23
Manistee	101	8	7.92	.....	.....	7	6.93	2	1.98	6	5.94
Manitou	10	5	50.00	.....	.....	.....	.....	.....	.....	.....	.....
Marquette	232	18	7.76	7	3.02	3	1.29	.....	.....	3	1.29
Mason	34	5	14.71	4	11.76	.....	.....	.....	.....	.....	.....
Mecosta	60	13	21.67	1	1.67	.....	.....	.....	.....	4	6.67
Menominee	14	.....	.....	.....	.....	.....	.....	.....	.....	2	14.29
Midland	58	6	10.34	4	6.90	1	1.72	.....	.....	.....	.....
Missaukee	9	.....	.....	1	11.11	.....	.....	.....	.....	.....	.....
Monroe	265	35	13.21	6	2.26	10	3.77	5	1.89	2	.75
Montcalm	144	13	9.03	12	8.33	6	4.17	1	.69	3	2.08
Muskegon	115	15	13.04	5	4.35	8	6.96	.....	.....	1	.87
Newaygo	64	11	17.19	4	6.25	3	4.69	1	1.56	.....	.....
Oakland	324	55	16.98	13	4.01	10	3.09	1	.31	4	1.23
Oceana	92	16	17.39	3	3.26	3	3.26	.....	.....	4	4.35
Ogemaw [a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon	18	1	5.56	4	22.22	.....	.....	.....	.....	.....	.....
Osceola	64	2	3.13	5	7.81	.....	.....	.....	.....	.....	.....
Otsego	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ottawa	274	29	10.58	10	3.65	8	2.92	.....	.....	5	1.82
Presque Isle	19	1	5.26	.....	.....	.....	.....	.....	.....	1	5.26
Roscommon	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saginaw	535	77	14.39	12	2.24	11	2.06	5	.93	16	2.99
Sanilac	186	20	10.75	8	4.30	10	5.38	1	.54	6	3.23
Schoolcraft	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shiawassee	158	20	12.66	8	5.06	10	6.33	1	.63	.....	.....
St. Clair	324	44	13.58	10	3.09	11	3.40	3	.93	12	3.70
St. Joseph	199	29	14.57	5	2.51	8	4.02	.....	.....	.....	.....
Tuscola	164	22	13.41	6	3.66	7	4.27	.....	.....	3	1.83
Van Buren	218	32	14.68	12	5 50	5	2.29	.....	.....	.....	.....
Washtenaw	362	58	16.02	14	3.87	14	3.87	.....	.....	1	.28
Wayne	2,170	259	11.94	56	2.58	62	2.86	12	.55	123	5.67
Wexford	25	4	16.00	1	4.00	.....	.....	.....	.....	.....	.....

[a] County clerk says no returns from the supervisors.

TABLE XXVI.—*Exhibiting, for the State and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged Under 5, to Deaths at All Ages for the Year 1877.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1877.	Old Age.		Aged 70 and Over.		Aged Under 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages by Geographical Divisions.
State[b]	Total	12,919	489	3.79	1,331	10.30	5,207	40.30
	Males	6,827	248	3.63	802	11.75	2,855	41.82
	Females	6,040	241	3.99	529	8.76	2,311	38.26
	Unknown	52	.....	.....	.....	.....	41	78.85
Upper-peninsular	Total	685	9	1.31	21	3.07	439	64.09
	Males	377	6	1.59	15	3.98	225	59.68
	Females	297	3	1.01	6	2.02	206	69.36
	Unknown	11	.....	.....	.....	.....	8	72.73
North-western	Total	292	8	2.74	22	7.53	138	47.26
	Males	158	4	2.53	14	8.86	87	55.06
	Females	134	4	2.99	8	5.97	51	38.06
Northern	Total	168	1	.60	10	5.95	91	54.17
	Males	95	1	1.05	9	9.47	58	61.05
	Females	72	.....	.....	1	1.39	33	45.83
	Unknown	1	.....	.....	.....	.....	.....	.....
North-eastern	Total	93	.....	.....	.....	.....	49	52.69
	Males	54	.....	.....	.....	.....	29	53.70
	Females	39	.....	.....	.....	.....	20	51.28
Western	Total	1,296	33	2.55	102	7.87	567	43.75
	Males	696	25	3.62	71	10.29	303	43.91
	Females	598	8	1.34	31	5.18	256	42.81
	Unknown	8	.....	.....	.....	.....	8	100.00
Northern-Central	Total	228	3	1.32	12	5.43	97	44.09
	Males	176	3	1.72	5	4.32	57	49.14
	Females	52	1	1.92	7	6.73	40	38.46

[a] For counties included in each Division, see page 236.
[b] For counties and townships from which no reports of deaths in 1877 were received, see Exhibit H, page 132; for those in which [illegible] L, page 145.

TABLE XXVII.—CONTINUED.

COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.
Lenawee	390	30	7.69	81	20.77	99
Livingston	182	6	3.30	23	12.64	59
Mackinac	16	4	25.00	5	31.25	5
Macomb	269	12	4.46	34	12.64	108
Manistee	101	1	.99	3	2.97	60
Manitou	10	.....	.....	1	10.00	.....
Marquette	232	1	.43	4	1.72	152
Mason	34	.....	.....	1	2.94	18
Mecosta	60	2	3.33	5	8.33	28
Menominee	14	1	7.14	1	7.14	11
Midland	58	1	1.72	4	6.90	20
Missaukee	9	1	11.11	3	33.33	4
Monroe	265	9	3.40	35	13.21	106
Montcalm	144	4	2.78	7	4.86	71
Muskegon	115	3	2.61	5	4.35	52
Newaygo	64	2	3.13	9	14.06	23
Oakland	324	17	5.25	59	18.21	88
Oceana	92	4	4.35	10	10.87	44
Ogemaw[a]	.....	.....	.....	.....	.....	.....
Ontonagon	18	2	11.11	2	11.11	7
Osceola	64	5	7.81	7	10.94	29
Otsego	6	.....	.....	1	16.67	1
Ottawa	274	7	2.55	26	9.49	129
Presque Isle	19	.....	.....	.....	.....	8
Roscommon	4	.....	.....	.....	.....	2
Saginaw	535	18	3.36	40	7.48	279
Sanilac	186	5	2.69	18	9.68	79
Schoolcraft	5	.....	.....	.....	.....	2
Shiawassee	158	6	3.80	19	12.02	53
St. Clair	324	17	5.25	37	11.42	130
St. Joseph	199	12	6.03	38	19.10	64
Tuscola	164	4	2.44	12	7.32	59
Van Buren	218	10	4.59	34	15.60	59
Washtenaw	362	22	6.08	77	21.27	101
Wayne	2,170	95	4.38	163	7.51	900
Wexford	25	.....	.....	.....	.....	16

[a] County clerk says no returns from supervisors.

TABLE XXVII.—*Exhibiting, for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5, in 1877; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5 to Deaths at All Ages.*

STATE AND COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
STATE	12,919	489	3.79	1,331	10.30	5,207	40.30
Alcona	11	.....	.....	.....	.....	5	45.45
Allegan	249	12	4.82	31	12.45	87	34.94
Alpena	35	.....	.....	.....	.....	21	60.00
Antrim	52	.....	.....	4	7.69	28	53.85
Baraga	20	.....	.....	1	5.00	10	50.00
Barry	216	8	3.70	29	13.43	99	45.83
Bay	287	8	2.79	9	3.14	166	57.84
Benzie	32	.....	.....	3	9.38	12	37.50
Berrien	258	12	4.65	29	11.24	90	34.88
Branch	281	9	3.20	33	11.74	94	33.45
Calhoun	330	13	3.94	47	14.24	109	33.03
Cass	166	4	2.41	27	16.27	53	31.93
Charlevoix	32	1	3.13	2	6.25	14	43.75
Cheboygan	28	.....	.....	.....	.....	15	53.57
Chippewa	11	.....	.....	2	18.18	5	45.45
Clare	18	1	5.56	1	5.56	8	44.44
Clinton	182	2	1.10	16	8.79	66	36.26
Delta	50	.....	.....	1	2.00	27	54.00
Eaton	215	5	2.33	30	13.95	73	33.95
Emmet	32	.....	.....	2	6.25	21	65.63
Genesee	268	10	3.73	31	11.57	104	38.81
Gladwin	8	.....	.....	.....	.....	3	37.50
Grand Traverse	67	4	5.97	7	10.45	22	32.84
Gratiot	145	2	1.38	6	4.14	64	44.14
Hillsdale	287	14	4.88	37	12.89	86	29.97
Houghton	253	1	.40	4	1.58	175	69.17
Huron	87	5	5.75	7	8.05	47	54.03
Ingham	181	10	5.52	24	13.26	57	31.49
Ionia	211	14	6.64	28	13.27	75	35.55
Iosco	28	.....	.....	.....	.....	15	53.57
Isabella	72	1	1.39	2	2.78	36	50.00
Isle Royal*	.....	.....	.....	.....	.....	.....	.....
Jackson	366	13	3.55	41	11.20	121	33.06
Kalamazoo	317	18	5.68	44	13.88	84	26.50
Kalkaska	18	.....	.....	1	5.56	12	66.67
Kent	633	12	1.90	43	6.79	264	41.71
Keweenaw	66	.....	.....	1	1.52	45	68.18
Lake	20	.....	.....	1	5.00	8	40.00
Lapeer	229	7	3.06	18	7.86	96	41.92
Leelanaw	48	2	4.17	5	10.42	24	50.00

* No returns of deaths to this Department.

TABLE XXVII.—CONTINUED.

COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Lenawee	390	30	7.69	81	20.77	99	25.38
Livingston	182	6	3.30	23	12.64	59	32.42
Mackinac	16	4	25.00	5	31.25	5	31.25
Macomb	269	12	4.46	34	12.64	108	40.15
Manistee	101	1	.99	3	2.97	60	59.41
Manitou	10	.....	.....	1	10.00	.....	.....
Marquette	232	1	.43	4	1.72	152	65.52
Mason	34	.....	.....	1	2.94	18	52.94
Mecosta	60	2	3.33	5	8.33	28	46.67
Menominee	14	1	7.14	1	7.14	11	78.57
Midland	58	1	1.72	4	6.90	20	34.48
Missaukee	9	1	11.11	3	33.33	4	44.44
Monroe	265	9	3.40	35	13.21	106	40.00
Montcalm	144	4	2.78	7	4.86	71	49.31
Muskegon	115	3	2.61	5	4.35	52	45.21
Newaygo	64	2	3.13	9	14.06	23	35.94
Oakland	324	17	5.25	59	18.21	88	27.16
Oceana	92	4	4.35	10	10.87	44	47.83
Ogemaw[a]	.....	.....	.....	.....	.....	.....	.....
Ontonagon	18	2	11.11	2	11.11	7	38.89
Osceola	64	5	7.81	7	10.94	29	45.31
Otsego	6	.....	.....	1	16.67	1	16.67
Ottawa	274	7	2.55	26	9.49	129	47.08
Presque Isle	19	.....	.....	.....	.....	8	42.11
Roscommon	4	.....	.....	.....	.....	2	50.00
Saginaw	535	18	3.36	40	7.48	279	52.15
Sanilac	186	5	2.69	18	9.68	79	42.47
Schoolcraft	5	.....	.....	.....	.....	2	40.00
Shiawassee	158	6	3.80	19	12.02	53	33.54
St. Clair	324	17	5.25	37	11.42	130	40.12
St. Joseph	199	12	6.03	38	19.10	64	32.16
Tuscola	164	4	2.44	12	7.32	59	35.98
Van Buren	218	10	4.59	34	15.60	59	27.06
Washtenaw	362	22	6.08	77	21.27	101	27.90
Wayne	2,170	95	4.38	163	7.51	900	41.01
Wexford	25	.....	.....	.....	.....	16	64.00

[a] County clerk says no returns from supervisors.

TABLE XXVIII.—CONSUMPTION.—*Exhibiting, for the Year and Months, by Sex, The Conjugal Condition, Occupation, and Age in Periods of Years of All Returned as having Died from Consumption in Michigan during the Year ending December 31, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years, 1877.																		
January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
111	139	147	164	166	145	106	147	126	124	128	153	8	1,664	Total.....	Total Deaths from Consumption.	97	18	32	147	224	220	169	122	94	84	79	80	83	79	51	32	12	32
61	69	82	84	89	76	51	80	70	66	77	86	5	896	Married...		....	..	..	11	85	126	125	88	79	70	54	71	54	63	32	15	5	18
31	55	48	64	63	50	37	57	42	39	34	47	..	567	Single.....		97	18	30	122	126	77	37	22	8	5	6	4	4	..	1	3	..	7
10	10	10	8	9	12	11	7	10	13	8	13	..	121	Widowed.		....	..	..	....	3	7	2	6	3	8	13	11	19	13	16	13	7	..
9	5	7	8	5	7	7	3	4	6	9	7	3	80	Unknown.		....	..	2	14	10	10	5	6	4	1	6	3	6	3	2	1	..	7
60	86	85	79	91	82	58	92	63	79	77	80	6	938	Total.....	Females.	50	12	23	108	138	141	95	68	54	39	34	43	45	30	20	13	6	19
33	41	48	44	50	47	26	55	34	42	44	47	3	514	Married...		....	..	..	11	73	98	75	51	45	32	23	33	26	18	10	3	3	13
18	37	28	25	33	27	23	29	22	24	22	19	..	307	Single.....		50	12	21	88	59	34	16	10	4	1	1	2	3	..	1	2	..	3
6	6	5	7	5	7	7	5	6	10	6	10	..	80	Widowed.		....	..	..	....	2	5	1	3	2	6	8	8	14	11	9	8	3	..
3	2	4	3	3	1	2	3	1	3	5	4	3	37	Unknown.		....	..	2	9	4	4	3	4	3	....	2	..	2	1	..	..	..	3
51	53	62	85	75	63	48	55	63	45	51	73	2	726	Total.....	Males.	47	6	9	39	86	79	74	54	40	45	45	46	38	49	31	19	6	13
28	28	34	40	39	29	25	25	36	24	33	39	2	382	Married...		....	..	..	....	12	28	50	37	34	38	31	38	28	45	22	12	2	5
13	18	20	39	30	23	14	28	20	15	12	28	..	260	Single.....		47	6	9	34	67	43	21	12	4	4	5	2	1	..	..	1	..	4
4	4	5	1	4	5	4	2	4	3	2	3	..	41	Widowed.		....	..	..	....	1	2	1	3	1	2	5	3	5	2	7	5	4	..
6	3	3	5	2	6	5	....	3	3	4	3	..	43	Unknown.		....	..	..	5	6	6	2	2	1	1	4	3	4	2	2	1	..	4
17	23	20	28	25	28	21	29	18	24	16	21	4	274	Total.....	Occupations Unknown, Total.	....	13	21	35	38	34	12	26	15	10	13	8	13	10	10	7	1	8
7	7	6	7	10	12	8	15	8	7	4	5	1	97	Married...		....	..	..	2	11	16	5	17	8	7	5	6	3	7	5	2	1	2
6	9	9	14	11	8	7	11	7	12	3	11	..	108	Single.....		....	13	19	23	21	13	4	5	3	1	2	..	1	..	..	1	..	2
1	5	1	1	1	4	1	1	....	3	3	....	..	21	Widowed.		....	..	..	....	2	3	....	....	....	2	3	..	4	1	3	3	..	..

3	2	4	6	3	4	5	2	3	2	6	5	3	48	Unknown.	Occupations Unknown, Females.	....	..	2	10	4	2	3	4	4	....	3	2	5	2	2	1	..	4
10	15	12	16	18	15	15	23	11	20	13	12	3	183	Total.....		....	9	15	26	28	32	5	17	12	9	6	3	8	2	2	2	1	6
3	5	3	5	8	8	7	12	6	6	3	2	..	68	Married...		....	..	..	2	10	15	2	12	7	7	3	3	2	1	1	..	1	2
5	6	6	7	8	2	6	8	4	9	3	7	..	71	Single.....		....	9	13	17	13	12	1	2	2	....	..	..	1	..	..	..	..	1
1	3	....	1	....	4	1	1	....	3	2	....	..	16	Widowed.		....	..	..	....	2	3	....	....	....	2	2	..	3	1	1	2	..	..
1	1	3	3	2	1	1	2	1	2	5	3	3	28	Unknown.		....	..	2	7	3	2	2	3	3	....	1	..	2	..	..	..	..	3
7	8	8	12	7	13	6	6	7	4	3	9	1	91	Total.....	Occupations Unknown, Males.	....	4	6	9	10	2	7	9	3	1	7	5	5	8	8	5	..	2
4	2	3	2	2	4	1	3	2	1	1	3	1	29	Married...		....	..	..	....	1	1	3	5	1	....	2	3	1	6	4	2	..	..
1	3	3	7	3	6	1	3	3	3	....	4	..	37	Single.....		....	4	6	6	8	1	3	3	1	1	2	..	..	.	..	1	..	1
....	2	1	....	1	....	....	....	....	....	1	....	..	5	Widowed..		....	..	..	....	....	....	....	....	....	....	1	..	1	..	2	1	..	..
2	1	1	3	1	3	4	....	2	....	1	2	..	20	Unknown.		....	..	..	3	1	....	1	1	1	....	2	2	3	2	2	1	..	1
94	116	127	136	141	117	85	118	108	100	112	132	4	1,320	Total.....	All Specified Occupations, Total.	97	5	11	112	186	186	157	96	79	74	66	81	70	69	41	25	11	24
54	62	76	77	79	64	43	65	62	59	73	81	4	799	Married...		....	..	..	9	74	110	120	71	71	63	49	65	51	56	27	13	4	16
25	46	39	50	52	42	30	46	35	27	31	36	..	459	Single.....		97	5	11	99	105	64	33	17	5	4	4	4	3	..	1	2	..	5
9	5	9	7	8	8	10	6	10	10	5	13	..	100	Widowed..		....	..	..	....	1	4	2	6	3	6	10	11	15	12	13	10	7	..
6	3	3	2	2	3	2	1	1	4	3	2	..	32	Unknown.		....	..	..	4	6	8	2	2	....	1	3	1	1	1	..	..	..	3
50	71	73	63	73	67	43	69	52	59	64	68	3	755	Total.....	Specified Occupations, Females. (Class XII.)	50	3	8	82	110	109	90	51	42	30	28	40	37	28	18	11	5	13
30	38	45	39	42	39	19	43	28	36	41	45	3	446	Married...		....	..	..	9	63	83	73	39	38	25	20	30	24	17	9	3	2	11
13	31	22	18	25	25	17	21	18	15	19	12	..	236	Single.....		50	3	8	71	46	22	15	8	2	1	1	2	2	..	1	2	..	2
5	3	5	6	5	3	6	4	6	7	4	10	.	64	Widowed..		....	..	..	....	....	2	1	3	2	4	6	8	11	10	8	6	3	..
2	1	1	....	1	....	1	1	....	1	....	1	..	9	Unknown.		....	..	..	2	1	2	1	1	....	....	1	..	..	1	..	..	..	..
44	45	54	73	68	50	42	49	56	41	48	64	1	635	Total.....	Specified Occupations, Males. (Classes I.-XI.)	47	2	3	30	76	77	67	45	37	44	38	41	33	41	23	14	6	11
24	26	31	38	37	25	24	22	34	23	32	36	1	353	Married...		....	..	..	....	11	27	47	32	33	38	29	35	27	39	18	10	2	5
12	15	17	32	27	17	13	25	17	12	12	24	..	223	Single.....		47	2	3	28	59	42	18	9	3	3	3	2	1	..	..	..	..	3
4	2	4	1	3	5	4	2	4	3	1	3	..	36	Widowed..		....	..	..	....	1	2	1	3	1	2	4	3	4	2	5	4	4	..
4	2	2	2	1	3	1	....	1	3	3	1	..	23	Unknown.		....	..	..	2	5	6	1	1	....	1	2	1	1	..	..	..	..	3

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years, 1877.																		
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
20	16	21	27	23	19	17	16	29	17	17	24	..	246	Total.....	Class I. Cultivators of the Earth.	....	..	1	12	26	27	17	16	18	16	17	18	23	23	14	12	5	1
11	10	15	20	17	13	10	9	20	12	14	17	..	168	Married...		....	..	..	....	6	10	14	13	17	13	15	17	20	22	9	9	2	1
4	4	4	6	5	4	6	6	7	3	2	5	..	56	Single.....		....	..	1	12	19	16	3	2	1	1	..	..	1	..	..	..	..	..
3	2	2	1	1	2	1	1	2	2	1	2	..	20	Widowed.		....	..	..	....	....	....	....	1	....	2	2	1	2	1	5	3	3	..
2	....	....	....	....	....	....	....	....	....	....	....	..	2	Unknown.		....	..	..	....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
4	....	6	4	4	2	4	4	2	1	2	4	..	37	Total.....	Class II. Active Mechanics Abroad.	....	..	..	....	3	4	7	3	3	1	3	3	3	4	..	1	1	1
....	....	2	2	....	1	4	2	2	1	2	4	..	20	Married...		....	..	..	....	....	1	4	1	2	1	2	2	3	4	..	..	..	..
3	....	3	2	4	....	....	1	....	....	....	....	..	13	Single.....		....	..	..	....	3	3	3	1	1	....	1	..	..	..	..	..	..	1
....	....	1	....	....	1	....	1	....	....	....	....	..	3	Widowed.		....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	1	1	..
1	....	....	....	....	....	....	....	....	....	....	....	..	1	Unknown.		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
1	6	4	5	5	5	4	3	3	3	4	4	..	47	Total.....	Class III. Active Mechanics in Shops.	....	..	..	2	6	9	5	3	4	5	3	2	..	4	2	1	..	1
1	4	2	3	2	2	2	3	3	2	2	3	..	29	Married...		....	..	..	....	....	3	4	2	4	3	3	2	..	4	2	1	..	1
....	2	....	2	3	2	....	....	....	1	2	1	..	13	Single.....		....	..	..	2	5	5	....	....	....	1	..	..	..	..	..	..	..	..
....	....	1	....	....	1	1	....	....	....	....	....	..	3	Widowed.		....	..	..	....	....	1	1	1	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	1	....	....	....	....	....	..	2	Unknown.		....	..	..	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..
3	4	2	4	1	2	1	2	....	5	4	1	1	30	Total.....	Class IV. Inactive Mechanics in Shops.	....	..	..	1	7	5	2	5	....	3	2	1	..	1	2	..	..	1
2	4	1	2	1	2	....	....	....	3	3	1	1	20	Married...		....	..	..	....	1	3	1	5	....	3	2	1	..	1	2	..	..	1
1	....	1	2	....	....	1	2	....	2	1	....	..	10	Single.....		....	..	..	1	6	2	1	....	....	....	..	..	..	..	..	..	..	..
6	9	5	11	16	7	8	7	9	5	9	15	..	107	Total.....	Class V.	....	..	2	10	18	13	18	6	7	10	10	5	3	3	2	..	..	..
2	5	3	5	9	1	5	2	6	1	5	7		51	Married...		....	..	..	....	2	4	13	3	6	9	4	3	2	3	2	..	..	..

				2									2	Single	Ship-builders.					1					1															
						1							1	Married									1																		
				5	5	4	3	3	3	4	4		47		CLASS III.			2	6	9	5	3	4	5	3	2		4	2	1		1
				1				1					5	Total	Blacksmiths.					1	2		1	1									
		1	1	1				1					4	Married							2		1	1									
	1												1	Single						1													
				1		1							2	Total	Boiler-makers.						1			1									
						1							1	Married							1												
				1									1	Single										1									
	1										1		2	Married	Brewers.								1		1								
					1								1	Single	Cabinet-makers.					1													
	1												1	Married	Clothes Cleaners.													1					
	1		1				1	1		1			5	Total	Coopers.			1				1		1					1			1
			1				1	1		1			4	Married								1		1					1			1
	1												1	Single				1														
						1							1	Unknown	Confectioners.									1								
		1	1										2	Total	Engineers.					1		1										
			1										1	Single						1												
		1											1	Widowed								1										
1													1	Married	Finishers.					1												
					1								1	Single	Gilders.				1													
								1					1	Married	Gunsmiths.													1				
	1												1	Married	House-keepers.					1												
						1							1	Married	Locksmiths.							1										
				1					1				2	Total	Machinists.				1				1									
									1				1	Married									1									
				1									1	Single					1													

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years, 1877.																		
		M.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75	75 to 80.	80 and over.	Unknown.
20	16	21	24	21	19	17	16	29	17	17	24	..	241	Total.....	Farmers.	....	..		11	25	26	17	16	18	16	17	18	22	23	14	12	5	1
11	10	15	19	16	13	10	9	20	12	14	17	..	163	Married...		....	..		....	6	9	14	13	17	13	15	17	19	22	9	9	2	1
4	4	4	4	4	4	6		7	3	2	5	..	53	Single.....		....	..		11	18	16	3	2	1	1	..	..	1	..	..	..	..	..
3	2	2	1	1	2	1		2	2	1	2	..	20	Widowed..		....	..		....	....	....	....	1	....	2	2	1	2	1	5	3	3	..
2	....	....	....	....	....	....		....	....	....	....	..	2	Unknown.		....	..		....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	1	....	....		....	....	....	....	..	2	Single.....	Farm Laborers.	....	..		1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....		....	....	....	....	..	1	Single.....	Farmers' Sons.	....	..		....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	1	....	....		....	....	....	....	..	1	Married...	Florists.	....	..		....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....		....	....	....	....	..	1	Married...	Gardeners.	....	..		....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
4	....	6	4	4	2	4	4	2	1	2	4	..	37	.....	Class II.	....	..		....	3	4	7	3	3	1	3	3	3	4	..	1	1	1
3	....	5	3	1	1	3	3	....	1	....	1	..	21	Total.....	Carpenters.	....	..		....	1	2	4	3	1	....	1	2	1	3	..	1	1	1
....	....	2	2	....	....	3		....	1	....	1	..	10	Married...		....	..		....	....	1	1	1	1	....	1	1	1	3	..	..	..	..
2	....	2	1	1	....	....		....	....	....	....	..	7	Single.....		....	..		....	1	1	3	1	....	....	..	..	..	..	..	..	..	1
....	....	1	....	....	1	....		....	....	....	....	..	3	Widowed..		....	..		....	....	....	....	....	....	....	..	1	..	..	..	1	1	..
1	....	....	....	....	....	....		....	....	....	....	..	1	Unknown.		....	..		....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....		....	....	1	....	..	2	Married...	Joiners.	....	..		....	....	....	1	....	....	1	..	..	..	..	..	..	..	..
1	....	1	1	1	1	....		2	....	1	1	..	9	Total.....	Masons.	....	..		....	2	1	1	....	1	....	..	1	2	1	..	..	..	..
....	....	....	....	....	1	....		2	....	1	1	..	5	Married...		....	..		....	....	....	1	....	....	....	..	1	2	1	..	..	..	..
1	....	1	1	1	....	....		....	....	....	....	..	4	Single.....		....	..		....	2	1	....	....	1	....	..	..	..	..	..	..	..	..
....	....	....	....	2	....	....		....	....	....	2	..	4	Total.....	Painters.	....	..		....	....	1	1	....	....	....	2	..	..	..	..	..	..	..
....	....	....	....	....	....	....		....	....	....	2	..	2	Married...		....	..		....	....	....	1	....	....	....	1	..	..	..	..	..	..	..

2	Single	Ship-builders.	....	..	..	....	....	1	....	....	....	....	1	..	..	..	..	..	..	..	..
1	Married		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..	..
47		CLASS III.	....	..	..	2	6	9	5	3	4	5	3	2	..	4	2	1	..	1
5	Total	Blacksmiths.	....	..	..	....	....	1	2	....	1	1	..	..	..	..	..	..	..	..
4	Married		....	..	..	....	....	....	2	....	1	1	..	..	..	..	..	..	..	..
1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
2	Total	Boiler-makers.	....	..	..	....	....	....	1	....	....	1	..	..	..	..	..	..	..	..
1	Married		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
1	Single		....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
2	Married	Brewers.	....	..	..	....	....	....	....	....	1	....	1	..	..	..	..	..	..	..
1	Single	Cabinet-makers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	Married	Clothes Cleaners.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
5	Total	Coopers.	....	..	..	1	....	....	....	1	....	1	..	..	..	..	1	..	..	1
4	Married		....	..	..	....	....	....	....	1	....	1	..	..	..	..	1	..	..	1
1	Single		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
1	Unknown	Confectioners.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
2	Total	Engineers.	....	..	..	....	....	1	....	1	....	....	..	..	..	..	..	..	..	..
1	Single		....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	Widowed		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
1	Married	Finishers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	Single	Gilders.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
1	Married	Gunsmiths.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
1	Married	House-keepers.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
1	Married	Locksmiths.	....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
2	Total	Machinists.	....	..	..	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..
1	Married		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
1	Single		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years, 1877.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	1	....	....	....	....	....	....	....	2	..	3	Total.....	Mechanics.	....	..	..	....	1	....	....	....	....	....	1	1	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	2	..	2	Married...		....	..	..	....	....	....	....	....	....	....	1	1	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	1	....	1	....	....	....	....	....	....	..	2	Married...	Millers.	....	..	..	....	....	....	....	....	....	....	..	1	..	1	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Widowed..	Millwrights.	....	..	..	....	..	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Unknown.	Spinners.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	1	....	1	....	....	....	....	....	....	....	..	3	Married...	Stone-cutters.	....	..	..	....	..	1	1	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Widowed..	Tanners.	....	..	..	....	..	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Married...	Tinsmiths.	....	..	..	....	..	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Single.....	Upholsterers.	....	..	..	....	1	..	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	1	1	....	2	1	..	6	Total.....	Wagon-makers.	....	..	..	1	1	1	....	....	1	....	..	..	..	1	1	..	..
....	....	....	....	....	1	....	1	1	....	....	....	..	3	Married...		....	..	..	....	..	..	....	....	1	....	..	..	..	1	1	..	..
....	....	....	....	....	....	....	....	....	....	2	1	..	3	Single.....		....	..	..	1	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married...	Weavers.	....	..	..	....	..	..	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Single.....	Wood Turners.	....	..	..	....	..	1	....	....	....	....	..	..	..	..	..	..	..	..
3	4	2	4	1	2	1	2	....	5	4	1	1	30	.....	CLASS IV.	....	..	..	1	7	5	2	5	....	3	2	1	..	2	..	..	1
....	....	....	1	....	....	....	....	....	....	2	....	..	3	Total.....	Barbers.	....	..	..	....	2	..	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married...		....	..	..	....	..	..	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	1	....	..	2	Single.....		....	..	..	....	2	..	....	....	....	....	..	..	..	..	..	..	..	..
1	....	1	1	....	....	....	....	....	1	....	....	..	4	Total.....	Cigar-makers.	....	..	..	....	1	1	....	1	....	....	..	..	..	..	..	..	..	..
1	....	1	....	....	....	....	....	....	1	....	....	..	3	Married...		....	..	..	....	1	1	....	1	....	....	..	..	..	..	..	..	..	..

....	.	....	1	..	....	....	....	....	....	....	....	..	1	Single.....			....		1	....		....	..	..	..	..		..	..	..
1	.	....	..	..	....	....	....	....	1	....	....	..	2	Single.....	Harness-makers.	....	..	....	1	....	....	....	..	..	..	..	..	..	..	..
....	.	....	..	..	1	....	....	....	....	....	....	..	1	Married...	Jewelers.	....	..	....	....	....	1	....	..	..	..	..	..	..	..	..
....	.	....	..	..	....	....	....	....	1	2	....	..	3	Total.....		....	..	....	1	1	....	....	..	..	..	..	..	..	..	..
....	.	....	..	..	....	....	....	....		2	....		2	Married...	Printers.	....	..	....	1	1	....	....	..	..	..	..	..	..	..	..
....	.	....	..	..	....	....	....	....		.	....		1	Single.....		....	..	....	....	....	....	....	..	..	..	..	..	..	..	..
....	1	....	..	..	....	....	....	....		.	....		1	Married...	Sail-makers.	....	..	....	....	....	1	....	..	..	..	..	..	..	..	..
....	2	....	2	1	....	....	1	....		.	....		8	Total.....		....	..	....	1	....	1	....	1	..	1	..	1	..	..	1
....	2	....	2	1	....	....	....	....		.	....		7	Married...	Shoemakers.	....	..	....	1	....	1	....	1	..	1	..	1	..	..	1
....	.	....	..	..	....	....	1	....		.	....		1	Single.....		....	..	....	....	....	....	....	..	..	..	..	..	..	..	..
....	.	1	..	..	....	....	....	....		.	....		1	Single.....	Shoemakers' Sons.	....	..	1	....	....	....	....	..	..	..	..	..	..	..	..
1	1	....	..	..	1	....	....	....		.	1		4	Married...	Tailors.	....	..	....	....	....	1	....	1	1	..	..	..	1	..	..
....	.	....	..	..	....	1	1	....		.	....		3	Total.....		....	..	....	1	....	....	....	..	1	..	..	..	..	..	..
....	.	....	..	..	....	....	....	....		.	....		1	Married...	Telegraph Operators.	....	..	....	....	....	....	....	..	1	..	..	..	..	..	..
....	.	....	..	..	....	1	1	....		.	....		2	Single.....		....	..	....	1	....	....	....	..	..	..	..	..	..	..	..
6	9	5	11	16	7	8	7	9	5	9	15		107	.....	CLASS V.	....	2	10	18	13	18	6	7	10	10	5	3	3	2	..	..	..
....	.	....	..	1	....	....	....	....		.	1		2	Total.....		....	..	....	....	....	1	....	..	..	..	..	..	..	..	..
....	.	....	..	1	....	....	....	....		.	....		1	Married...	Firemen.	....	..	....	....	....	1	....	..	..	..	..	..	..	..	..
....	.	....	..	..	....	....	....	....		.	1		1	Single.....		....	..	....	....	....	....	....	..	..	..	..	..	..	..	..
5	9	5	10	13	7	7	6	8	5	9	12		96	Total.....		....	2	10	16	13	16	5	6	8	9	3	3	3	2	..	..	..
1	5	3	4	7	1	4	1	5		5	6		43	Married...		....	..	....	2	4	11	2	5	7	3	2	2	3	2	..	..	..
2	3	1	5	4	4	2	5	2	4	2	6		40	Single.....	Laborers.	....	2	9	13	5	4	2	1	1	2	1	..	..	..	..	..	..
1	.	....	..	1	1	1	....	....		.	....		4	Widowed		....	..	....			..	1	....	....	2	..	1	..	..	..	..	..
1	1	1	1	1	1	....	....	1		2	....		9	Unknown.		....	..	1		4	1	....	....	....	2	..	..	..	..	..	..	..
....	.	....	..	1	....	....	....	....		.	....		1	Married...	Mine Captains.	....	..	..	....		..	....	1	....	..	..	..	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1877.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	....	....	1	1	....	....	1	1	....	....	2	..	7	Total.....	Miners.	....	..	..	....	1	....	2	....	....	2	..	2	..	..	..	..	..	..
1	....	....	1	....	....	....	1	1	....	....	1	..	5	Married...		....	..	..	....	....	....	2	....	....	2	..	1	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Single.. ..		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Widowed..		....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Married...	Waiters.	....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
1	....	5	2	4	2	1	2	....	3	3	....	..	23	.....	CLASS VI.	....	..	..	1	1	5	6	3	1	1	1	3	1	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Single.....	Bar-tenders.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married...	Brakemen.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	1	1	2	1	....	....	....	2	1	....	..	8	Total.....	Butchers.	....	..	..	1	....	2	1	1	1	....	..	2	..	..	..	..	..	..
....	....	1	1	2	....	....	....	....	1	....	....	..	5	Married...		....	..	..	....	....	1	1	1	1	....	..	1	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	1	....	..	2	Single.....		....	..	..	1	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Unknown.		....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	1	....	....	..	1	Unknown.	Commercial Agents.	....	..	..	....	....	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	....	....	....	1	....	..	1	Married...	Draymen.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	1	....	....	....	....	....	....	....	....	..	1	Unknown.	Fireman on R. R.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	3	....	1	....	....	....	....	....	....	....	..	4	Total.....	Lumbermen.	....	..	..	....	....	....	3	1	....	....	..	..	..	..	..	..	..	..
....	....	2	....	1	....	....	....	....	....	....	....	..	3	Married...		....	..	..	....	....	....	3	....	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Single.....	Musicians.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
1	....	....	....	....	....	1	....	....	....	....	....	..	2	Total.....	Peddlers.	....	..	..	....	....	....	....	1	....	....	..	..	1	..	..	..	..	..
1	....	....	....	....	....	....	....	....	....	....	....	..	1	Married...		....	..	..	....	....	....	....	1	....	....	..	..	..	..	..	..	..	..

						1							1	Widowed..																							
							1						1	Single.....	"Signal Service"				1																		
		1								1			2	Married...	Teamsters.											1	1										
		2	1										3	.....	CLASS VII.								1			2											
		1											1	Married...	Fishermen.								1														
			1										1	Married...	Lake Captains.											1											
		1											1	Married...	Sailors.											1											
													.....	.....	CLASS VIII.																						
6	3	1	4	5	7	2	5	2	6	6	5		52	.....	CLASS IX.				11	7	9	3	2	7	1	4		3	2			2
						1							1	Married...	Bankers.													1				
2			1	1	1								5	Total.....	Book-keepers.				1			1		1					2			
2				1									3	Married...										1					2			
			1		1								2	Single.....					1			1										
				1									1	Married...	Builders.						1											
	1		1		1	1	1	1	3	2	3		14	Total.....	Clerks.				7	4	2	1										
	1								1	1			3	Married...					1		1	1										
			1		1	1	1		2	1	3		10	Single.....					6	3	1											
								1					1	Widowed..						1												
					1					1			2	Total.....	Druggists.				1													
					1								1	Married...					1													
										1			1	Single.....				1														
					1								1	Married...	Grocers.																	1
			2					1		1			4	Married...	Hotel-keepers.					1	2			1								
											1		1	Married...	Insurance Agents.									1								
1													1	Single.....	Liquor-sellers.					1												
					1								1	Single.....	Lumber Inspect'rs						1											

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1877.																
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	1	1		2	2	....	2	....	2	2	....	..	13	Total.....	Merchants.	....	..	..	....	1	1	2	....	2	3	..	3	..	1	..	..	..	..
1	1	1		....	2	....	2	....	1	2	....	..	10	Married...		....	..	..	....	..	....	2	....	2	3	..	3	..	..	..	..	..	..
....	....	....		2	....	....	..	....	....	....	....	..	2	Single.....		....	..	..	....	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	....		....	....	....	..	....	1	....	....	..	1	Widowed..		....	..	..	....	..	....	....	....	....	....	..	..	..	1	..	..	..	..
1	....	....	....	....	....	....	..	....	....	....	....	..	1	Married...	Paper Man'f'rs.	....	..	..	....	..	....	....	....	....	....	..	..	..	1	..	..	..	..
....	1	....	....	1	....	....	..	....	....	....	1	..	3	Total.....	Photographers.	....	..	..	....	1	....	1	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	1	....	....	..	....	....	....	....	..	1	Married...		....	..	..	....	....	....	....	....	....	....	1	..	..	..	..	..	..	..
....	1	....	....	....	....	....	..	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	....	....	....	....	....	..	....	....	....	1	..	1	Widowed..		....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
1	....	....	....	....	....	....	2	....	....	....	....	..	3	Married...	Saloon-keepers	....	..	..	....	....	....	....	1	....	1	..	..	..	..	..	..	..	1
....	....	....	....	....	....	....	..	....	1	....	....	..	1	Married...	Undertakers.	....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	..	..	..
2	2	2	5	....	1	2	1	3	....	....	4	..	22	.....	CLASS X.	....	..	1	....	2	3	2	4	1	1	1	3	2	2	..	..	..	..
2	....	....	....	....	....	....	..	....	....	....	....	..	2	Married ..	Dentists.	....	..	..	....	....	....	....	1	....	1	..	..	..	..	..	..	..	..
....	....	1	2	....	....	....	..	....	....	....	2	..	5	Total.....	Lawyers.	....	..	..	....	1	1	....	....	....	....	..	1	1	1	..	..	..	..
....	....	....	1	....	....	....	..	....	....	....	1	..	2	Married...		....	..	..	....	....	....	....	....	....	....	..	..	1	1	..	..	..	..
....	....	1	1	....	....	....	..	....	....	....	1	..	3	Single.....		....	..	..	....	1	1	....	....	....	....	..	1	..	..	..	..	..	..
....	....	....	1	....	....	1	..	1	....	....	1	..	4	Total.....	Ministers.	....	..	..	....	....	1	1	....	1	....	..	..	1	..	..	..	..	..
....	....	....	1	....	....	1	..	....	....	....	1	..	3	Married...		....	..	..	....	....	1	1	....	....	....	..	..	1	..	..	..	..	..
....	....	....	....	....	....	....	..	1	....	....	....	..	1	Widowed..		....	..	..	....	....	....	....	....	1	....	..	..	..	..	..	..	..	..
....	..	1	....	....	1	1	..	1	....	....	1	..	5	Married...	Physicians.	....	..	..	....	..	....	....	2	....	....	1	2	..	..	..	..	..	..

....	....	..	..	..	..	....	1	....	....	..	..	..	1	Married...	Prof. Med. Dep., U. of M.	....	..	..	..	..	....	....	....	....	....	..	..	..	1	..	..	..	..
....	....	..	2	..	..	....	....	....	....	..	..	..	2	Single.....	Students.	....	..	1	..	1	....	....	*	....	....	..	..	..	..	..	..	..	..
....	2	..	..	..	..	....	....	1	....	..	..	..	3	Total.....	Teachers.	....	..	..	..	..	1	1	1	....	....	..	..	..	..	..	..	..	..
....	1	..	..	..	..	....	....	1	....	..	..	..	2	Married...		....	..	..	..	..	1	....	1	....	....	..	..	..	..	..	..	..	..
....	1	..	..	..	..	....	....	....	....	..	..	..	1	Single.....		....	..	..	..	..	....	1	....	....	....	..	..	..	..	..	..	..	..
1	5	6	10	10	5	3	9	8	1	3	7	..	68	.....	CLASS XI.	47	2	..	3	2	3	1	2	....	....	..	..	1	1	1	..	..	5
....	....	..	..	..	..	....	....	....	....	1	1	..	2	Unknown.	Paupers.	....	..	..	..	1	....	....	....	....	....	..	..	1	..	..	..	..	..
1	5	6	10	10	5	3	9	8	1	2	6	..	66	Total.....	Unemployed.	47	2	..	3	1	3	1	2	....	....	..	..	..	1	1	..	..	5
....	....	..	..	2	1	....	....	....	....	..	..	..	3	Married...		....	..	..	..	1	....	....	....	....	....	..	..	..	1	1	..	..	..
1	4	6	10	8	2	3	9	8	....	2	6	..	59	Single.....		47	2	..	2	..	3	1	2	....	....	..	..	..	..	..	..	..	2
....	1	..	..	..	2	....	....	....	1	..	..	..	4	Unknown.		....	..	..	1	..	....	....	....	....	....	..	..	..	..	..	..	..	3
50	71	73	63	73	67	43	69	52	59	64	68	3	755	.....	CLASS XII. (Females.)	50	3	8	82	10	109	90	51	42	30	28	40	37	28	18	11	5	13
....	....	..	..	..	..	....	....	1	....	1	..	..	2	Total.....	Artists.	....	..	..	1	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	..	..	..	....	....	....	....	1	..	..	1	Married...		....	..	..	..	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	..	..	..	....	....	1	....	..	..	..	1	Single.....		....	..	..	1	..	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	..	..	..	....	....	....	....	1	..	..	1	Married...	Basket-makers.	....	..	..	..	..	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	..	..	..	1	....	....	....	..	..	..	1	Single.....	Box-factory Workers.	....	..	..	..	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	1	..	..	..	....	....	....	....	..	..	..	1	Married...	Carriage-makers' Wives.	....	..	..	..	..	....	....	....	....	....	..	..	..	..	..	..	1	..
....	....	..	..	..	..	....	....	....	1	..	..	..	1	Single.....	Chamber-maids.	....	..	..	1	..	....	....	....	....	....	..	..	..	..	..	..	..	..
1	....	..	..	1	..	....	....	1	....	..	..	..	3	Single.....	Clerks.	....	..	..	1	1	1	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	..	1	..	....	....	....	....	..	..	..	1	Single.....	Coopers.	....	..	..	1	..	....	....	....	....	....	..	..	..	..	..	..	..	..
2	2	..	1	2	2	....	2	....	1	..	1	..	18	Total.....	Domestics.	....	..	1	3	5	2	1	....	....	....	..	1	..	..	..	..	..	..
....	....	..	..	..	..	....	1	....	....	..	..	..	1	Married...		....	..	..	..	1	....	....	....	....	....	..	..	..	..	..	..	..	..
1	2	..	1	2	2	....	1	....	1	..	1	..	11	Single.....		....	..	1	3	4	2	1	....	....	....	..	..	..	..	..	..	..	..
1	....	..	..	..	..	....	....	....	....	..	..	..	1	Widowed.		....	..	..	..	..	....	....	....	....	....	..	1	..	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.												Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1877.																	
February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
2	1	....	1	2	....		1	..	1	1	..	10	Total	Dress-makers.	....	..		....	1	6	1	1	..	....	1	..	..	..	..	..	..	..
	....	....	....	1	....		....	..	1	..	..	3	Married		....	..		....	1	2	....	....	..	....	..	..	..	..	..	..	..	..
	1	....	1	1	....		1	..	..	..	..	6	Single		....	..		....	....	4	1	1	..	....	..	..	..	..	..	..	..	..
	..	....	....	....	....		....	..	..	1	..	1	Widowed		....	..		....	....	..	....	....	..	....	1	..	..	..	..	..	..	..
	7	....	7	5	4	4	2	2	7	1	..	48	Total	Farmers.	....	..		2	10	3	7	4	5	4	..	2	2	3	2	2	1	..
	5	....	5	4	2	4	1	2	3	1	..	31	Married		....	..		1	8	3	4	3	4	4	..	1	1	1	1	..	..	..
	1	....	2	....	....		....	..	2	..	..	7	Single		....	..		1	2	..	3	....	..	....	..	..	..	..	..	..	..	..
	1	....	....	1	2		1	..	2	..	..	10	Widowed		....	..		....	....	..	....	1	1	....	..	1	1	2	1	2	1	..
	..	....	2	1	1		....	1	..	..	..	8	Single	Farmers' Daughters.	....	..		5	2	1	....	....	..	....	..	..	..	..	..	..	..	..
	3	4	2	..	....	5	3	3	4	1	..	27	Total	Farmers' Wives.	....	..		2	3	3	3	1	1	2	1	4	2	1	3	1	..	..
	3	3	1	....	....	4	3	2	4	1	..	23	Married		....	..		2	3	3	3	1	1	1	1	4	2	..	2	..	..	..
	..	..	1	1	....	....	1	..	1	..	..	..	4	Widowed	....	..		....	....	..	....	....	..	1	..	..	..	1	1	1	..	..
	....	..	....	....	....	....	..	..	1	..	..	..	1	Widowed	Fish-women.	....	..		....	....	..	....	....	..	....	..	..	1	..	..	..	..	..
..	....	..	....	....	....	....	..	1	..	..	..	..	1	Married	Gardeners.	....	..		....	....	..	....	....	..	....	..	1	..	..	..	..	..	..
....	....	..	....	....	....	....	..	..	1	..	..	..	1	Married	Hair-dressers.	....	..		....	....	..	....	....	..	1	..	..	..	..	..	..	..	..
....	....	..	....	....	....	....	2	..	..	..	..	..	2	Total	Harness-makers.	....	..		1	....	1	....	....	..	....	..	..	..	..	..	..	..	..
....	....	..	....	....	....	....	1	..	..	..	..	..	1	Married		....	..		..	....	1	....	....	..	....	..	..	..	..	..	..	..	..
....	....	..	....	....	....	....	1	..	..	..	..	..	1	Single		....	..		1	....	..	....	....	..	....	..	..	..	..	..	..	..	..
12	22	17	24	16	18	9	19	11	19	19	28	..	214	Total	House keepers.	....	..		13	32	32	32	17	16	8	13	10	19	8	5	3	1	4
11	16	11	20	11	12	5	17	10	16	12	21	..	162	Married		....	..		1	22	26	31	13	15	6	10	9	15	7	3	1	..	3
1	4	5	3	2	5	4	2	1	1	6	2	..	36	Single		....	..		12	10	5	1	3	..	....	1	..	1	..	..	1	..	1
....	2	1	1	2	1	....	..	..	2	1	5	..	15	Widowed		....	..		..	....	1	....	....	1	2	2	1	3	1	2	1	1	..

				1								1	Unknown.									1															1
16	12	19	14	19	14	12	15	12	10	17	21	1	188	Total	House wives.				5	23	32	32	17	11	7	10	15	7	10	4	3	1	5				
13	11	17	11	15	13	10	11	9	8	16	18	1	153	Married					2	22	30	28	15	11	6	8	12	4	5	2	2	1	5				
				3		1	1		2				7	Single					2	1	1	2									1						
1		2	3	1	1	1	3	3		1	2		18	Widowed								1	2		1	1	3	3	5	2							
2	1										1		4	Unknown					1		1	1				1											
4	7	2	3	7	2	2	1	3	2	3	3		39	Total	House-workers.				8	6	10	3	1	3		2	2	1			1	1	1				
2	4	1	1	4	1	1	1		1		1		17	Married							7	2	1	3		1	2						1				
2	3	1	1	2	1	1		3		3	1		18	Single					8	6	2	1						1									
			1	1					1		1		4	Widowed							1					1					1	1					
2			1		1				2				6	Total	Laborers.				2	1					1				1	1							
1			1										2	Married					1						1												
1					1								2	Single					1	1																	
									1				1	Widowed																1							
									1				1	Unknown															1								
		1											1	Married	Laborers' Wives.					1																	
		1											1	Married	Lumbermen's Wives.								1														
									1				1	Widowed	Millers.													1									
	1	1		1	2								6	Total	Milliners.				1	1	1	1	2														
					1								1	Married									1														
	1	1		1	1								5	Single					1	1	1	1	1														
											1		1	Married	Miners' Wives.						1																
1			1										2	Total	Musicians.				2																		
1													1	Married					1																		
			1										1	Single					1																		
	1						1						2	Single	Nurses.								1		1												
					1								1	Married	Paupers.																		1				
										1			1	Married	Physicians' Wives.									1													
											1		1	Married	R.R. Agents' Wives.																		1				

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1877.*

Months, 1877.													Year, 1877.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1877.																		
January.	February.	March.	April.	May	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....	....	....	....	..	..	....	....	..			....	..	1	Married...	Sailors.	....	..	..	..	..		....	....	....	1	..	..	..	..	..	..	..	
....	....	....	....	..	..	....	....	..	1	....	....	..	1	Married...	Sailors' Wives.	....	..	..	..	..		....	....	....	1	..	..	..	..	..	..	..	
....	....	1	1	..	..	....	....	..	....	1	....	..	3	Total.....	Seamstresses.	..	..	..	..	..		1	....	1	....	..	..	..	..	..	..	..	
....	....	1	1	..	..	....	....	..	....	....	....	..	2	Married...		..	..	..	..	..	1	....	....	1	....	..	..	..	..	..	..	..	
....	....	....	..	..	..	....	....	..	....	1	....	..	1	Single.....		..	..	..	..	..	..	1	....	....	....	..	..	..	..	..	..	..	
1	1	....	..	..	..	2	....	1	....	....	....	..	5	Total.....	Servants.	..	..	..	1	2	..	1	....	....	....	1	..	..	..	..	..	..	
....	1	....	..	..	..	2	....	1	....	....	....	..	4	Single.....		..	..	..	1	2	..	1	....	....	....	..	..	..	..	..	..	..	
1	....	....	..	..	..	....	....	..	....	....	....	..	1	Widowed.		..	..	..	..	..	..	....	....	....	....	1	..	..	..	..	..	..	
....	3	....	..	3	..	....	1	..	1	....	1	..	9	Single.....	Students.	....	..	2	6	1	..	....	....	....	..	..	..	..	..	..	..	..	
....	....	....	..	..	1	....	1	..	....	....	....	..	2	Married...	Tailoresses.	..	..	..	..	..	1	....	....	....	..	..	..	1	..	..	..	..	
....	2	3	1	3	6	3	5	1	1	1	....	..	26	Total.....	Teachers.	..	..	..	6	10	5	2	1	....	....	..	2	..	..	..	..	..	..	
....	....	....	..	2	2	....	2	1	....	....	....	..	7	Married...		..	..	..	..	3	3	....	....	....	....	..	1	..	..	..	..	..	
....	2	2	1	1	4	2	2	..	1	1	....	..	16	Single.....		....	..	..	5	6	1	2	1	....	....	..	1	..	..	..	..	..	..	
....	....	1	..	....	....	1	1	..	....	....	....	..	3	Unknown.		....	..	..	1	1	1	....	....	....	....	..	..	..	..	..	..	..	
5	11	16	12	8	11	9	11	14	10	8	8	2	125	Total.....	Unemployed.	50	3	3	21	9	6	6	5	4	3	..	3	3	5	3	..	..	1
....	....	4	1	4	2	1	1	3	3	2	1	2	24	Married...		....	..	..	1	1	2	5	4	2	3	..	..	1	4	1	..	..	..
5	11	11	11	4	9	5	10	9	7	6	7	..	95	Single		50	3	3	20	8	4	1	1	2	....	..	1	..	..	1	..	..	1
....	....	1	..	....	....	3	....	2	....	....	....	..	6	Widowed.		....	..	..	..	..	..	....	....	....	....	..	2	2	1	1	..	..	..
....	....	....	1	....	1	..	....	..	....	....	....	..	2	Married...	Washer-women.	....	..	..	..	..	1	....	....	....	1	..	..	..	..	..	..	..	..
....	....	....	..	....	....	..	....	..	....	....	1	..	1	Widowed.	Weavers.	....	..	..	..	..	..	....	....	....	....	..	..	..	..	..	1	..	..
....	....	....	..	....	....	..	....	..	1	....	....	..	1	Married...	Wives.	....	..	..	..	..	1	....	....	....	....	..	..	..	..	..	..	..	..

EXHIBIT Q.—*The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Living June 1, 1870, and All Returned as having Died during the Year ending June 1, 1870, as Compiled from the U. S. Census of that date; for All Returned as having Died from Consumption during the Years 1870 to 1877, inclusive, as shown by the Registration Returns; for All Living Aged 20 and Over as per Census June 1, 1870; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1870 to 1877, inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1873 to 1877, inclusive.*

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as per Census	June 1, 1870.	24.79	25.17	24.39	.78
Living, as per Census	June 1, 1870.	24.32	24.91	23.68	1.23
All Living aged 20 and over, per Census	June 1, 1870.	38.23	38.61	37.80	.81
Deaths, as shown by Registration Returns	Dec. 31, 1870.	23.50	24.05	22.89	1.16
Deaths from Consumption, by Registration Returns	Dec. 31, 1870.	34.95	36.89	33.14	3.75
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1870.	51.01	52.45	45.96	6.49
"Average years of life" after the age of 20 years, as shown by Table VII., page 197, Report for 1872, plus 20 years,—indicating the "Average Age at Death" of all who died aged 20 years and over according to that Life Table	Dec. 31, 1870.	------	63.72	62.02	1.70
Deaths, as shown by Registration Returns	Dec. 31, 1871.	25.63	26.78	24.50	2.28
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1871.	51.44	52.79	46.45	6.34
Deaths, as shown by Registration Returns	Dec. 31, 1872.	24.17	25.09	23.17	1.92
Deaths from Consumption, by Registration Returns	Dec. 31, 1872.	35.05	39.10	31.19	7.91
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1872.	50.78	51.90	47.08	4.82
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1872.	49.72	51.67	47.42	4.25
Deaths, as shown by Registration Returns	Dec. 31, 1873.	31.20	31.95	30.14	1.81
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	27.25	27.76	26.71	1.05
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	43.87	40.68	42.35	-1.67
Deaths from Consumption, by Registration Returns	Dec. 31, 1873.	37.81	40.20	35.77	4.43
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1873.	50.17	56.51	48.27	8.24
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1873.	49.87	51.48	47.66	3.82
Deaths, as shown by Registration Returns	Dec. 31, 1874.	25.33	25.78	24.09	.83
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	20.26	23.99	20.25	3.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	47.15	47.99	46.13	1.86
Deaths from Consumption, by Registration Returns	Dec. 31, 1874.	36.48	39.90	33.44	6.46
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1874.	50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1874.	50.89	52.84	48.72	4.12
Deaths, as shown by Registration Returns	Dec. 31, 1875.	25.32	26.31	24.36	1.95
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1875.	20.17	20.73	19.88	.85
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1875.	46.90	48.68	44.49	4.19
Deaths from Consumption, by Registration Returns	Dec. 31, 1875.	35.77	38.19	33.58	4.61
All aged 20 and over, whose Occupations were stated in Registration Returns of Deaths	Dec. 31, 1875.	51.07	53.29	47.87	5.42
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.65	52.79	48.06	4.73
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.68	53.86	47.61	6.25
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.77	52.37	48.54	3.83

EXHIBIT Q.—CONTINUED.

	Year Ending	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as shown by Registration Returns	Dec. 31, 1876.	25.83	26.79	25.04	1.75
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.86	21.34	20.60	.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.33	48.91	46.68	2.23
Deaths from Consumption, by Registration Returns		35.70	40.20	33.40	6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.93	54.00	49.89	4.11
All who died aged 20 years and over, as shown by Registration Returns		51.94	53.91	49.88	4.03
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.09	54.46	48.92	5.54
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		52.25	53.70	51.96	1.74
Deaths, as shown by Registration Returns	Dec. 31, 1877.	25.89	26.44	25.44	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.30	20.22	20.57	-.35
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.31	50.31	48.00	2.31
Deaths from Consumption, by Registration Returns		36.34	39.42	33.94	5.48
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.71	53.89	49.55	4.34
All who died aged 20 years and over, as shown by Registration Returns		51.88	54.03	49.65	4.38
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.25	54.13	48.43	5.70
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.01	53.95	51.78	2.17

Table XXIX. shows the average age of all decedents in Michigan returned for 1877 aged 20 years and over; of all whose occupations were stated, aged 20 years and over, and of all whose occupations were not specified. aged 20 years and over. The average age of all the decedents aged 20 years and over was 51.54 years, and of the twelve classes of occupations there are four which show a greater than average age, viz: Cultivators of the Earth, Active Mechanics in Shops, Professional Men, and the Unemployed. This last class represents a greater age than any other.

TABLE XXIX.—*Exhibiting, by Classified Occupations, the Number and the Aggregate and Average Ages of All Decedents in 1877, of All whose Occupations and Ages were returned, and of All whose Occupations were not Specified, of those Aged 20 Years and Over, One-half of a Year added to Age of each Person in place of Months and Days excluded.*

Class.	OCCUPATIONS,—1877.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
	ALL AGED 20 YEARS AND OVER	6,376	328,614.50	51.54
	ALL SPECIFIED OCCUPATIONS,—AGED 20 AND OVER	5,537	286,302.50	51.71
	OCCUPATION UNSPECIFIED,—AGED 20 AND OVER	839	42,312.00	50.43
I.	CULTIVATORS OF THE EARTH	1,431	84,168.50	58.82
II.	ACTIVE MECHANICS ABROAD	168	7,734.50	46.04
III.	ACTIVE MECHANICS IN SHOPS	178	9,556.50	53.69
IV.	INACTIVE MECHANICS IN SHOPS	95	4,746.00	49.96
V.	LABORERS,—NO SPECIAL TRADE	374	16,690.50	44.63
VI.	AGENTS, LABORERS ABROAD, ETC.	94	3,961.50	42.14
VII.	SEAFARING MEN	30	1,265.50	42.18
VIII.	SOLDIERS	3	152.50	50.83
IX.	BUSINESS MEN	189	9,137.00	48.34
X.	PROFESSIONAL MEN	85	4,580.50	53.89
XI.	UNEMPLOYED	104	6,271.00	60.30
XII.	FEMALES	2,786	138,038.50	49.55
I.	CULTIVATORS OF THE EARTH	1,431	84,168.50	58.82
	Farmers	1,410	83,044.00	58.90
	Farmers' Sons	4	100.00	25.00
	Farm Laborers	9	516.00	57.33
	Florists	2	95.00	47.50
	Gardeners	5	355.00	71.00
	Planters	1	58.50	58.50
II.	ACTIVE MECHANICS ABROAD	168	7,734.50	46.04
	Carpenters	103	5,694.00	55.28
	Carpenters' Sons	1	20.50	20.50
	Carpenters and Joiners	2	68.00	34.00
	Joiners	2	79.00	39.50
	Masons	35	776.00	22.17
	Painters	22	957.00	43.50
	Ship-carpenters	3	140.00	46.67
III.	ACTIVE MECHANICS IN SHOPS	178	9,556.50	53.69
	Axe-helve Makers	1	57.50	57.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

CLASS.	OCCUPATIONS,—1877.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
III.	ACTIVE MECHANICS IN SHOPS—(Continued).			
	Bakers	2	156.00	78.00
	Basket-makers	1	64.50	64.50
	Blacksmiths	25	1,329.00	53.16
	Boiler-makers	2	79.00	39.50
	Brewers	6	253.00	42.17
	Brick-makers	1	82.50	82.50
	Cabinet-makers	7	465.00	66.43
	Clothes Cleaners	1	65.50	65.50
	Cooks	1	49.50	49.50
	Coopers	11	629.00	57.18
	Dyers	1	76.50	76.50
	Engineers	10	368.00	36.80
	Fanning-mill Makers	1	49.50	49.50
	Finishers	2	77.00	38.50
	Firemen	2	59.00	29.50
	Foundrymen	1	48.50	48.50
	Gilders	1	23.50	23.50
	Gunsmiths	4	263.00	65.75
	Locksmiths	2	73.00	36.50
	Machinists	6	272.00	45.33
	Mechanics	22	1,168.00	53.09
	Millers	15	1,005.00	67.00
	Millwrights	6	362.00	60.33
	Molders	5	198.00	39.60
	Planers	1	59.50	59.50
	Sawyers	5	205.00	41.00
	Spinners	1	24.50	24.50
	Stone-cutters	6	277.00	46.17
	Tanners	2	106.00	53.00
	Tinners	2	90.00	45.00
	Turners	2	68.00	34.00
	Upholsterers	2	105.00	52.50
	Wagon-makers	11	640.00	58.18
	Weavers	7	519.00	74.14
	Wheelwrights	3	189.00	63.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

CLASS.	OCCUPATIONS,—1877.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
IV.	INACTIVE MECHANICS IN SHOPS	95	4,746.00	49.96
	Barbers	7	277.00	39.57
	Cigar-makers	7	222.00	31.71
	Harness-makers	6	214.00	35.67
	Jewelers	3	137.00	45.67
	Printers	6	193.00	32.17
	Sail-makers	1	39.50	39.50
	Shoemakers	44	2,609.00	59.30
	Tailors	15	779.00	51.93
	Telegraph Operators	3	99.00	33.00
	Watch-makers	2	105.00	52.50
	Wig-makers	1	71.50	71.50
V.	LABORERS—NO SPECIAL TRADES	374	16,690.50	44.63
	House keepers	5	262.00	52.40
	House-workers	1	25.50	25.50
	Janitors	1	31.50	31.50
	Laborers	331	14,874.00	44.94
	Log-scalers	2	76.00	38.00
	Miners	29	1,174.00	40.48
	Roofers	1	45.50	45.50
	Tar-workers	1	72.50	72.50
	Waiters	1	51.50	51.50
	Well-diggers	1	22.50	22.50
	Warehouse-men	1	55.50	55.50
VI.	AGENTS, LABORERS ABROAD, ETC.	94	3,961.50	42.14
	Agents	10	378.00	37.80
	Baggage-masters	1	34.50	34.50
	Brakemen	4	96.00	24.00
	Butchers	18	838.00	46.56
	Coachmen	1	26.50	26.50
	Conductors	1	35.50	35.50
	Draymen	2	88.00	44.00
	Livery-keepers	4	133.00	33.25
	Lumbermen	25	1,085.00	43.40
	[illegible] Captains	2	78.00	39.00
	[illegible]ians	2	73.00	36.50
	[illegible]	1	34.50	34.50
	[illegible]	8	456.00	57.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

CLASS.	OCCUPATIONS,—1877.	Number of Persons.	AGES IN YEARS AND 100ths.	
			Aggregate.	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued.)			
	Policemen	2	60.00	30.00
	R. R. Baggagemen	1	37.50	37.50
	R. R. Employes	2	96.00	48.00
	R. R. Firemen	1	24.50	24.50
	R. R. Men	2	89.00	44.50
	Sextons	1	45.50	45.50
	Sheriffs	1	42.50	42.50
	Switchmen	1	30.50	30.50
	Teamsters	4	180.00	45.00
VII.	SEAFARING MEN	30	1,265.50	42.18
	Fishermen	5	273.00	54.60
	Lake Captains	2	101.00	50.50
	Sailors	22	871.00	39.59
	Tug Men	1	20.50	20.50
VIII.	SOLDIERS	3	152.50	50.83
	Captains	1	53.50	53.50
	Ordnance Sergeants, U. S. A.	1	73.50	73.50
	"Signal Service"	1	25.50	25.50
IX.	BUSINESS MEN	189	9,137.00	48.34
	Bankers	3	151.00	50.33
	Book-keepers	11	509.00	46.27
	Builders	2	69.00	34.50
	Capitalists	3	172.00	57.33
	Clerks	27	909.00	33.67
	Collectors	1	52.50	52.50
	Confectioners	2	84.00	42.00
	County Auditors	1	54.50	54.50
	Custom Officers	1	30.50	30.50
	Gas Superintendents	1	33.50	33.50
	Grain Buyers	2	102.00	51.00
	Hatters	1	27.50	27.50
	Horse Dealers	1	55.50	55.50
	Hotel Clerks	3	117.00	39.00
	Hotel-keepers	15	728.00	48.53
	Justices of the Peace	2	125.00	62.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

Class.	OCCUPATIONS,—1877.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
IX.	BUSINESS MEN—(Continued.)			
	Landlords	1	44.50	44.50
	Lumber Inspectors	2	80.00	40.00
	Manufacturers	9	459.00	51.00
	Merchants	67	3,717.00	55.48
	Milliners	1	60.50	60.50
	Notaries Public	1	66.50	66.50
	Photographers	3	107.00	35.67
	Postmasters	1	51.50	51.50
	Real Estate Dealers	1	64.50	64.50
	Restaurant-keepers	1	33.50	33.50
	Saloon-keepers	22	1,007.00	45.77
	Speculators	2	81.00	40.50
	Sugar Refiners	1	87.50	87.50
	Undertakers	1	57.50	57.50
X.	PROFESSIONAL MEN	85	4,580.50	53.89
	Actors	1	49.50	49.50
	Artists	2	98.00	49.00
	Dentists	5	256.00	51.20
	Draughtsmen	1	48.50	48.50
	Editors	1	41.50	41.50
	Lawyers	16	827.00	51.69
	Ministers	22	1,467.00	66.68
	Physicians	21	1,081.00	51.48
	Prof. in Med. Dept., Ann Arbor	1	66.50	66.50
	Students	3	68.00	22.67
	Surveyors	2	139.00	69.50
	Teachers	9	371.00	41.22
	Veterinary Surgeons	1	67.50	67.50
XI.	UNEMPLOYED	104	6,271.00	60.30
	Paupers	8	401.00	50.13
	Unemployed	96	5,870.00	61.15
	Unknown	297	15,546.00	52.34
XII.	FEMALES	2,786	138,038.50	49.55
	Artists	1	24.50	24.50
	Basket-makers	1	25.50	25.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

CLASS.	OCCUPATIONS,—1877.	Number of Persons.	AGE IN YEARS AND 100THS.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Box-factory Workers	1	23.50	23.50
	Carpenters	1	47.50	47.50
	Carpenters' Wives	4	150.00	37.50
	Carriage-makers' Wives	1	93.50	93.50
	Chair-makers	1	27.50	27.50
	Clerks	4	102.00	25.50
	Clerks' Wives	1	22.50	22.50
	Domestics	22	853.00	38.77
	Dress-makers	17	574.00	33.76
	Farmers	182	10,015.00	55.03
	Farmers' Daughters	7	189.00	27.00
	Farmers' Widows	2	162.00	81 00
	Farmers' Wives	126	6,652,00	52.79
	Fish Women	1	60.50	60.50
	Freight Agents' Wives	1	48.50	48.50
	Gardeners	1	57.50	57.50
	Glovers	2	127.00	63.50
	Hair-dressers	2	89.00	44.50
	Harness-makers	1	27.50	27.50
	Hotel Waiters	1	20.50	20.50
	Housekeepers	679	34,301.00	50.52
	Housewives	691	33,550.00	48.55
	House-workers	95	4,337.00	45.65
	Laborers	17	977.00	57.47
	Laborers' Wives	8	344.00	43.00
	Landladies	1	49.50	49.50
	Laundresses	2	76.00	38.00
	Lumbermen's Wives	1	39.50	39.50
	Matrons	1	37.50	37.50
	Mechanics	1	49.50	49.50
	Merchants	3	222.00	74.00
	Merchants' Wives	3	151.00	50.33
	Midwives	1	75.50	75.50
	Milliners	9	288.00	32.00
	Millers	1	61.50	61.50
	Miners	1	35.50	35.50
	Miners' Wives	1	25.50	25.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1877.*

CLASS.	OCCUPATIONS,—1877.	Number of Persons.	AGE IN YEARS AND 100THS.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Ministers' Wives	2	163.00	81.50
	Nurses	2	82.00	41.00
	Painters' Wives	1	35.50	35.50
	Paupers	3	219.00	73.00
	Physicians' Wives	1	44.50	44.50
	Prostitutes	1	21.50	21.50
	Restaurant keepers	1	75.50	75.50
	R. R. Laborers	1	27.50	27.50
	Sailors	1	49.50	49.50
	Sailors' Wives	1	49.50	49.50
	Seamstresses	11	421.00	38.27
	Servants	11	387.00	35.18
	Shoemakers	2	117.00	58.50
	Spinners	1	80.50	80.50
	Students	2	42.00	21.00
	Tailoresses	7	399.00	57.00
	Teachers	39	1,111.00	28.49
	Tinsmiths	1	29.50	29.50
	Unemployed	250	13,406.00	53.62
	Unknown	542	26,766.00	49.39
	Washer-women	4	149.00	37.25
	Weavers	2	138.00	69.00
	Wives	5	213.00	42.60

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